

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XV

NEW YORK, NOVEMBER 26, 1924

No. 22

Confidence—

A hoisting engine coughs. There is the suck of cable leaving steel. Then a chasm opens beneath the rider of the metal broncho.

A slip—a moment's yielding to human forgetfulness—means disaster. But confidence carries the worker up and on with the job.

It is paralleled in the chemical world, where the buyer is continuously poised above disappointment or actual loss. He "carries on" through his faith in institutions.

The working out of this new idea may be seen in the relations of R & H with its customers. It lends emphasis to the phrase—"The Consumer Knows".

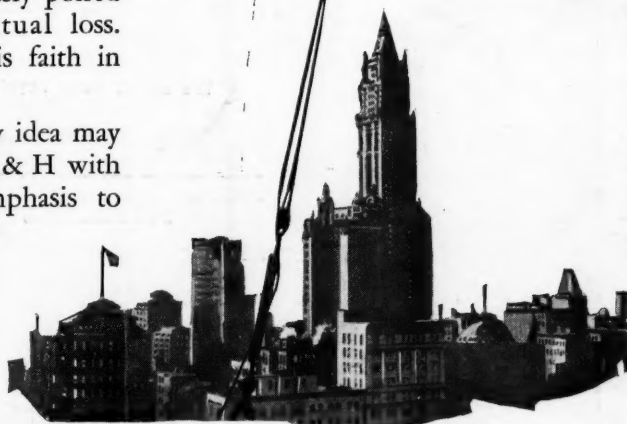


R & H
CHEMICALS

A partial list of R & H Chemicals—together with price changes and comment on special market features—is published each month.

This list includes chemicals used by the consuming industries. It is used regularly by many as a guide in the purchase of materials.

We shall be glad to include on the mailing list the name of any one interested.



The
ROESSLER & HASSLACHER CHEMICAL CO.
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In This Issue { *Interview with Sir William Alexander*
Is Codliver Oil Price Justified?

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VOL. XV

No. 22

The Week in Brief

News

Sir William Alexander, of British Dyestuffs Corp., said to a representative of DRUG & CHEMICAL MARKETS last week, that costs are the problem of industry, and that more efficient methods of production, processes that give greater yields, products of increased purity and enlarged utility, will help to bring down the price of finished goods, so that labor will be able to buy more goods with their wages.

The American plan for limiting opium supplies to the amounts needed by the various countries for medicinal and scientific purposes was presented to the Geneva Conference by Stephen G. Porter, of Pennsylvania, and Canada and China gave their support to the proposals immediately.

Markets

Demand for industrial chemicals is assuming broader proportions. Contract business is improving while spot turnover is quickening in many items. Barium chloride and carbonate continue weak. Other products generally firm.

Dyes and intermediates are responding to the broader demand from textile and fur trades. Beta-naphthol is offered at 24c lb. for 1925. Benzol and toluol continue in small supply. Pyridine is easier.

Linseed oil is a trifle easier as flaxseed prices show signs of weakening. Olive and palm oils are firm and in small supply. Chinawood oil buying is more active. Tallow sales reported at 10c lb.

Fine chemicals tend to firmness. Potassium permanganate is strongly held. Menthol is active, though lower. Mercury is firm at \$69 per flask. Salicylates are quiet.

Essential oils have registered new highs in some instances. Messina essences show firmness. Oil Java citronella is again scarce. Oil peppermint is firm and active. Oil Bourbon geranium is easier. Oil lemon-grass is scarce.

Crude drugs are becoming firm. Ergot is closely held, and sales to Europe have been reported. Gum sandarac is higher. Lycopodium is firm. Cascara sagrada is quiet. Insect powder is easier.

MATHIESON

Liquid Chlorine - Caustic Soda - Soda Ash
Bleaching Powder - Anhydrous Ammonia
Modified Virginia Soda - Bicarbonate of Soda

Straight Alkalies for Textile Processing

IN MANY modern textile mills, where the importance of scientific control is recognized, the alkali used is straight 58% Soda Ash and straight 76% Caustic Soda.

Soda Ash and Caustic Soda are standard basic commodities and have a known composition and a published market value. With these straight alkalies for kier-boiling, for preparing bleach liquor, for the dye-bath and other operations, the textile processor is no longer working in the dark as to the alkali in his formulas and as to its proper market price at the time of purchase.

Moreover, the proper straight 58% Soda Ash will do the work of approximately double its weight of the so-called textile sodas. The desired results can be obtained with half as much straight 58% Soda Ash and at less than half the previous cost.

Our technical staff is prepared to demonstrate to interested textile men how to use straight alkalies and produce finished goods of equal or better quality.

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1923 — 496 Pages

1924 — 685 Pages

1925 — 857 Pages

EVERY Edition of Drug & Chemical Markets GUIDE-BOOK for buyers of chemical, drug and allied products has been more complete and more valuable than its predecessor.

NOT only is it the only buyer's guide that lists completely all firms whether or not they are advertisers, but it has the following **EXCLUSIVE FEATURES**:

1. A complete trade directory, arranged geographically with street addresses and telephone numbers in all large cities.
2. The laboratory and commercial grades and specifications on over 2,000 drug and chemical products.
3. Containers and quantities in which these goods are commonly sold.
4. The shipping regulations of drugs, dyes, naval stores, chemicals, etc.
5. Tables of prices quarterly for ten years back on over 200 of the more important products, with price charts on 50 of them.
6. Text of the chemical, dye and drug tariff schedules.
7. The Trade Associations and Technical Societies of the chemical, pharmaceutical and allied fields with their addresses.
8. A combined catalog of the products of many of the leading manufacturers.

The 1925 Edition

will be distributed free to all paid subscribers
December 1st. Over 800 pages of invaluable buying information.

ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

3 Park Place, New York City

Dyestuffs**Pharmaceuticals****Intermediates****Calco**

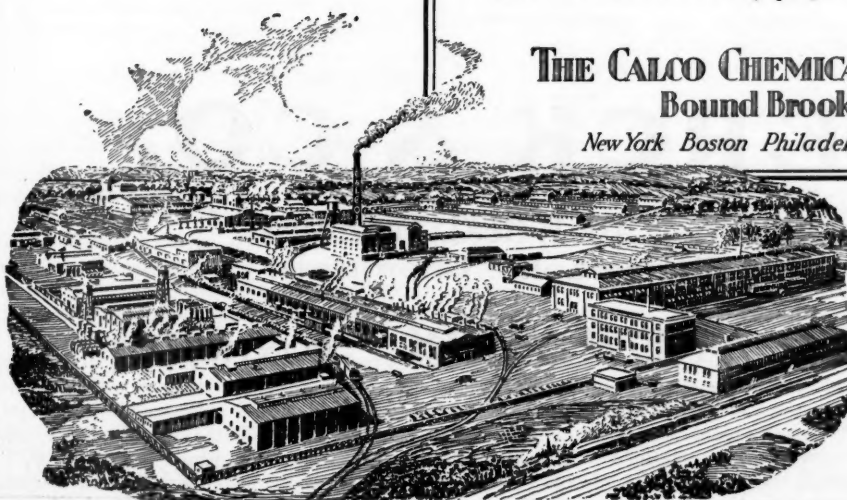
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From the time this Company was founded, the production and sale of Beta Naphthol have formed one of our main activities. Years of experience have taught us not only how to manufacture a uniformly standard grade, but also how to supply our customers with the product that will best suit their specific needs.

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DRUG & CHEMICAL MARKETS

VOL. XV

NEW YORK, NOVEMBER 26, 1924

No. 22

"BEAUTIFUL—BUT DUMB"

A month or so ago one of the big manufacturers began a mail bombardment of the consuming strongholds of New England. Once a week they sent a strong sales letter to selected lists of their own and their competitors' best customers. The stationery was a beautiful and costly as that of any exclusive club.

Each letter was typewritten by hand, with all the "personal touches" worked in, and signed by the real pen of a big executive. The arguments were presented with vigor and vim. Attention was carefully paid to arousing interest. The most skillful means of securing action were employed. The whole series were well worth a place, as samples, in the next edition of "The Complete Business Letter Writer."

This effort was expended on one of their specialties, and remembering that "price is a part of every sale," this letter writer never failed to make a quotation. In each letter, as the sales pressure was increased, the price was lowered five per cent. Twenty per cent off in a month—backed up with urgent appeals to buy at once before the price advanced on the increased demand of the brisk autumnal, post-election season.

Here is the cumulative effect of this costly campaign as expressed in the caustic comment of one big mill buyer: "Say, wouldn't I be a pet donkey to stock up on that color—why, I've only got to wait five more months and they'll offer to give me the dye for nothing and in six months they'll be paying me twenty cents a pound to take it in."

All of which goes to show that cutting the price does not sharpen the buyer's interest.

A COURT OF COMMERCE

Responsible leaders of industry, finance and politics are declaring their belief that the American people must revise radically their attitude towards big business.

Mr. Filene, the Boston merchant, in a recent speech, has pointed out the serious handicap to American business in being forced to meet the competition of the great kartels, syndicates, associations and semi-governmental trusts of European business. Mr. Baruch, late head of the War Industries Board, at a dinner to his former associates, went a step further when he proposed definitely the establishment of a Court of Commerce to deal with economic legal problems.

There is no doubt that as business develops more and more into a world unit the problems of raw materials, of low costs of production, and of

efficient distribution can only be successfully and profitably solved by big business units. Only a giant can juggle cannon balls. Obviously we cannot maintain our standards of living which give us, of necessity, high labor costs unless we are able to increase production and make distribution as efficiently as possible.

Dangers do exist in big combinations of financial or productive power; but American suspicion of the trust must be tempered with knowledge that profitable production of goods, sold, as a result, at the lowest price, is in the long run for the benefit of us all.

It is significant that Mr. Baruch's suggestion, while it has aroused no great enthusiasm in the daily press, has certainly evoked no marked opposition. Certainly we need no more laws and it is undesirable to complicate further our legal machinery; but it is also obvious that not only must the popular attitude towards business be changed; but we must also revise, to meet changed conditions, the legal status of our practical economics.

TECHNICAL TRAINING FOR INDUSTRY

Where are the chemical, rubber, paper, textile and metal industries to get the large staffs of technically trained men who will be needed in the next five years, during which these lines will be developing and expanding at a prodigious pace and calling for trained executives, chemists and experts able to cope with the new problems as they come up? Even presupposing that enough students take courses which should fit them for technical work in these industries what is being done by the Universities and engineering schools to adapt the graduates to the practical work which they will be called upon to perform? A few colleges have so-called co-operative courses or arrange Summer employment for students who want it, but the number of young men who take advantage of these opportunities is very small compared with the estimated 400,000 executives with technical training who will be needed in the industries in 1930 over the number employed in 1920.

The leading industrial units in the chemical, textile, rubber and paper trades must take the initiative in the work of selecting the right men for employment, and developing and moulding them for the positions to be filled. There is little co-operation now between the captains of industry and the technical schools. Men enter the industries more or less accidentally, choosing a line of work for secondary reasons rather than because of any special fitness for a particular kind of work or particular interest in it. Some systematic method

of choosing the men for responsible positions must be developed, says the National Industrial Conference Board, which has just completed a survey of the rubber and the pulp and paper industries. In the rubber business the Board found that out of 100,000 employees seven per cent occupy important positions and less than one-fourth of these are college graduates. In the paper and pulp industry with 35,000 employees on the payrolls of 150 companies, it was found that executive positions are held by about seven per cent as in the rubber trade, but the number of college graduates was smaller than in the rubber industry and only thirteen per cent of the seven per cent holding responsible positions are graduates of recognized technical schools.

Theoretically trained men are at a great disadvantage when they first take positions in industrial plants, but their progress is much more rapid in later years than that of the practical man who begins at the bottom and must depend upon the experience of the men around him for knowledge of the trade. When the problems presented in the development of the industry depend upon chemical research the technical men take the lead, necessarily. The question is how to prepare them sooner for the important positions which they must fill, but which require thorough practical knowledge of factory and mill operations on a large scale as well as laboratory processes. Evidently educators and captains of industry must get together on this problem.

DEMAND CRAMTON BILL HEARINGS

Congress meets next Monday. On the Senate calendar is the detestable Cramton bill which was forced through the House by the Anti-Saloon League by unfair methods and smuggled into the Senate from the Judiciary Committee before a meeting was held, and without a hearing. It may be called up for passage by some Senatorial friend of the League at any time. The alcohol consuming industries know if it becomes a law the use of alcohol for industrial purposes will be beset with so many restrictions that some companies are sure to be driven out of business, while others will be hampered to such an extent that their operations will be interfered with very seriously.

The transfer of control from the the efficient deputies in the Treasury Department to the inexperienced employees of the Prohibition Unit, as provided by the Cramton bill, will jeopardize legitimate trade and classify as, potential bootleggers, the wholesale druggists, who were designated by the Government to distribute alcohol to the industries. The bill deprives the wholesale druggist of the right of appeal to the Commissioner of Internal Revenue from drastic regulations such as the Prohibition Unit attempted to enforce during the past year.

United action at once is the only way to prevent its passage. Appeal should be made to senators while they are yet free from the business rush of the opening days, but if they have gone to Washington, protests should be sent by telegraph and

mail and no move left undone that will aid in bringing to Senators' attention the demand for public hearings on the bill.

Joe Barlow, chemical distributor, with offices in several big Texan cities, is sending out to the trade a notice that he is chemical headquarters in Texas "out among the great open spaces where men are men and we got a woman for Governor."

Ten Years Ago

From the Nov. 25, 1914, issue of "Drug & Chemical Markets":

Great Britain was in the market for 5,000 flasks of quicksilver. Heavy buying by Japan a month previous had left the market short and prices were strong at \$47@55 per flask.

Japanese menthol was advancing and nothing could be obtained under \$2.60 per pound.

Spanish saffron was reduced to \$13 from \$15 due to additions in spot stocks.

The Russian syndicate controlling santonin, which had been firm at \$50 a pound, was shading prices and all concessions to push the glucoside.

About 9,000 tons of glycerin, valued at \$2,500,000, were being held up in Marseilles by the French Government, which feared some of this stock would get into German and Austrian hands if it were allowed to be exported.

The steamship City of Corinth arrived at Boston from Calcutta with a cargo of 2,000 bags of shellac after running the German gauntlet and escaping the cruiser Emden.

Gum arabic and gum tragacanth were in small supply and prices were tending upward as a result of Turkey's entrance in the war. Amber sorts priced at 16c@17c lb. and No. 1 tragacanth, \$1.85@2.00.

Refined camphor declined 5c to 54½c lb., while Japanese refined camphor was obtainable at 43c@45c lb.

The American steamship Sun was due to arrive at New York with a cargo of chemicals and dyes from Germany.

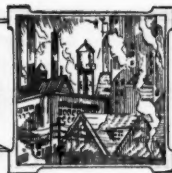
GETTING READY FOR THE OPEN SEASON





Industrial Chemical

SECTION



Progress Through Profits

How the Successful Manufacturer of the Next Decade Must Adapt Himself to Meet New and Changing Conditions

VAT dyes as fast and brilliant as those we have today, but as easy of application as the simplest direct colors; artificial silk stronger than the best natural product and cheap enough to compete with cotton; motor fuels yielding thirty or forty miles to the gallon; fertilizers so efficient and concentrated that they will be applied not by pounds to the acre but by ounces; synthetic rubber as resilient and elastic as para gum and many times as tough and durable—these are specific examples of the kind of chemico-industrial progress which Sir William Alexander expects to see materialize into useful, commercial products during the next ten years.

"I look for fewer discoveries of new products. We pretty well exhausted that kind of progress during the past generation of chemical development; but we are certain to witness the greater perfection of many products already made in the laboratory or produced commercially in a limited way only because of high costs."

The man who directed the destinies of the British Dyestuffs Corporation during the stormy post-war period and who is at present visiting this country to keep in closer touch with his interests in the British-American Cellulose Co. and American-British Chemical Supplies, Inc., is the last person one could accuse of being a poetic visionary. He is a tall, clean-shaven, well-groomed, ruddy-faced Britisher with piercing eyes and a jaw most expressive of determination. He is pre-eminently practical and successful—even in politics, for at the recent election he was named to represent Glasgow in Parliament, and that is proverbially a canny district of Great Britain.

"Costs are the problem of industry—the one, outstanding problem," he added smiling, "and the progress of the future is to be centered about ways and means by which costs can be reduced. And there are an infinity of ways in which this problem is being attacked. Take the vat dyes, for example: they are the fastest colors we have, but it is quite an elaborate process to apply them properly. This elaborate process is going to be simplified, so that the goods can be finished and packed after one simple dipping. Possibly it will be through some colloidal form of the dye, or through some catalytic, mordanting, fixing agencies—how, doesn't matter so long as the cost of dyeing with the vat colors is reduced.

"They have made synthetic rubber in Germany. It

costs so much that it cannot be used commercially; but we need not forget that the first synthetic indigo produced cost a golden sovereign an ounce, and now it is made so cheaply that the natural indigo fields of India are devoted to growing millet and other foodstuffs. That is a double-barrelled economic gain. Exactly the kind of economic progress we are going to make during the next decade.

"Such attacks as these upon the problem of costs are vital to British and American manufacturers in every industry. We two nations have the highest standards of living and consequently the highest costs of labor, and while we must reduce our labor costs—if we are to compete in world markets, which is essential to us, and I assume highly desirable for you—nevertheless we do not want to lower standards of comfort and health.

"More efficient methods of production, processes that give greater yields; products of increased purity and enlarged utility will help us bring down the price of finished

goods, so that our labor will be able to buy more goods with their wages. This is real economic progress, and as the world is organized with human beings who will do their best work only for their own personal benefit, we might just as well frankly acknowledge that after all the mainspring of our material progress to greater comfort and more leisure is always profits.

"It has often struck me as curious," he went on, balancing his long ivory holder and watching the cigarette smoke spiral upwards, "that if you cut the price of any goods in half you double the demand for it."

Statistics of the Department of Agriculture, so his interviewer pointed out, tended to prove this on the consumption of oranges, apples and other fruits in the large American cities.

"Yes," Sir William assented, "and it is just as true of cotton cloth in India, or wall paper in Scotland. It does almost seem as if the world had just about a fixed amount of money to spend on food, on clothing, on house-furnishings; and they spend it regardless of the price. If things are cheap they apparently buy more of them, that is all.

"And that naturally suggests what ought to be the logical way of dealing with business depressions." He forgot to smoke and leaned across his desk, speaking with force and conviction.

"If conditions were normal—I mean if currency were at par value around the world—and if the manufacturers

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, page 1626-1628

BARIUM CHLORIDE AND CARBONATE WEAK

Lack of Demand and Competition Has Forced Prices to Low Levels—Strong Undertone in Copper Sulfate—Prussiates Reported Strengthening—Caustic Potash Holding Firm—No Interest in Arsenic—Permanganate Firm—Bichromate Easier—Contract Buying Active—Spot Slower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined	
	Potassium Prussiate, 1c lb.	Ammonium Sulfate, 5c 100lbs.	Barium Chloride, Imp., \$2.00 ton	
Trend of the Market				
	Today	Last Week	Last Month	Last Year
Acetic Acid, Glacial....lb.	\$1.11	\$1.11	\$1.11	\$1.24
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00
Ammonium Sulfate, 100lbs.	2.70	2.65	2.60	2.90
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.25
Copper Sulfate, c/l 100lbs.	4.60	4.60	4.60	4.80
Potash Caustic, Imp....lb.	.0734	.0734	.0734	.07
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66
Potassium Bichromate...lb.	.0834	.0834	.0834	.0934
Sodium Prussiate, Imp.lb.	.0934	.0934	.0934	.11
Average	2.916	2.911	2.906	2.996

A perceptible slowing up in buying of industrial chemicals has taken place during the week in contrast to the heavy buying in the previous week. Aside from the contract business, the volume of which is stated to be increasing, buyers are apparently covering for their immediate requirements in order to keep down inventories at the end of the year. Although there has been a decided improvement in the chemical activity, buying has been somewhat irregular. The approaching holidays will tend to slow up buying until the close of the year but nearly all factors are preparing for improvement after the turn of the year. One of the prominent features of the market has been the steady decline in barium chloride and carbonate. Demand in both these items has fallen off considerably and with keen competition between imported and domestic material, prices have been slashed to a point where domestic producers cannot compete with the importers. It has been rumored that foreign producers are offering at low prices in order to regain the markets of which they once had complete control. At any rate the domestic producers cannot meet imported prices, which are \$10 ton under domestic quotations.

Acid Acetic—Producers report an increasing demand and supplies are moving out in increasing quantities. Prices are holding at \$3.12@3.37 for 28% in barrels as to quantity; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

Acid Formic—Moving regularly at recent levels of 11c@11½c lb. for the 85% and 11½c@12c lb. for the 90%.

Acid Lactic—Higher costs of production are keeping the market firm with an upward tendency. Dark, 22%, named at 5c@5½c lb., and light, 6c@6½c lb.; 44%, dark, 10c@10½c lb.; light, 12c@12½c lb.

Acid Oxalic—Little new in the situation with demand routine and prices holding at 9½c@10c lb. spot, according to seller and quantity.

INDUSTRIAL CHEMICAL SECTION

Acids Mineral—Makers report an increasing demand from all quarters with prices holding firm at recent levels.

Acetone—Quoted at a range according to seller. The C. P. offered at 15c@16c lb. for the fermentation material and 15c@18c lb. for lime acetate acetone.

Ammonium Chloride—Imported white material is still holding close to 6c lb. for spot supplies, while shipments are named at 5¾c lb. Domestic held at 7¼c@8c lb. as to quantity.

Arsenic—No interest is being shown in this item at this time though in former years at this time the market was very active. The large carry-over of calcium arsenate from last Summer has accounted for the lack of interest this year. Quotations range from 6c lb. for shipment to 6¼c@6¾c lb. for spot material.

Barium Products—The lack of demand, competition and the desire to move stocks have resulted in further price cutting of the imported material. The chloride is quoted \$63@65 ton spot for imported and \$72.50@75.00 ton for domestic at works. Imported carbonate offered at \$54@55 ton, spot, and \$64.00 ton works.

Bleaching Powder—Makers are busy booking contracts for the coming year. Buyers are beginning to fall in line though to many the 1925 prices represent a considerable advance over the 1924 contract prices. Makers quote contracts at \$1.90 for carlots of large drums at works; less carlots, \$2.05; small drums, contract 25c above standard drums. Spot works prices 10c above contract prices.

Copper Sulfate—Orders are beginning to arrive in the market for future delivery. Domestic makers are holding at \$4.60 for carlots and smaller quantities up to \$4.90. A few odd lots have been going under these prices in some quarters. Imported is offered at \$4.40@4.50, spot, while shipments have strengthened to \$4.85.

Potash Caustic—Holding firm at the recent quotations of 7¼c@7½c lb. for spot material, and 7½c lb. for shipments.

Potassium Permanganate—Domestic material is held at 15c lb., spot, while imported material is quoted 14c@14½c lb. A gradual removal of cheap lots has strengthened the market. Shipment prices are named at 16c lb.

Potassium Prussiate—Spot prices are firmer at 37c@38c lb. though shipment prices were mentioned at 36½c lb.

Soda Ash—Contract business is occupying producers' attention at present. The number of orders already booked is stated to be very satisfactory and augurs well for the coming year. Makers quote contract prices, 58%, light, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels, carlots at works. Spot works, 5c higher. L.c.l. business, New York, \$2.04@2.19 in bags, and \$2.29@2.44 in barrels.

Soda Caustic—Makers report good contract business to date and the outlook is for increased business during 1925. Contract prices named at \$3.10 for carlots of 76% solid at works; ground and flake, \$3.50; spot works, 10c higher. L.c.l. business, New York, \$3.76@3.91 for solid and \$4.16@4.31 for ground and flake.

Sodium Acetate—Supplies moving occasionally at 4¾c @5c lb.

Sodium Bichromate—Supplies moving at 6¾c lb. for

moderate quantities, while carlots and contract business is reported at 6¼c lb.

Sodium Cyanide—Contract business is reported active and in good volume. Domestic, 96-98%, held at 22c lb., and imported, 125-128%, 20c@20¼c lb., according to quantity.

Sodium Fluoride—Holding at the higher levels of 8¾c lb. for imported.

Sodium Prussiate—Sellers are looking for higher prices. Sales continue at 9c lb. spot, for imported and contracts and shipments named at 8¾c lb. Domestic material held at 9¼c lb. for prompt delivery.

DR. BREITHUT SAYS PUBLICITY IS NEEDED

Dr. F. E. Breithut, of the chemical department of the College of the City of New York, and recent chemical representative of the Department of Commerce in its survey of the European dye situation, was the guest of honor and speaker at the monthly meeting of the Chemical Salesmen's Association at the Builders' Exchange, New York, Monday evening, Nov. 24.

Dr. Breithut told the salesmen "What Ails the American Chemical Industry" and offered remedies for strengthening the industry. Limited publicity and the fact that the public has not been sold on the American chemical industry were blamed by Dr. Breithut for the lack of public support. Suspicion, secrecy and cut-throat competition were evils which must be eliminated before America can attain supremacy in chemistry, he said.

About fifty members attended the meeting, which was enlivened with vaudeville entertainment and singing.

UNION CARBIDE TO MAKE BUTANOL

Union Carbide & Carbon Co. is planning to enter the solvents field in the manufacture of butanol or butyl alcohol by a calcium carbide process. Production costs by this method have been too high to compete with the fermentation process, but recent refinements in the synthetic method and the higher costs of production by the fermentation process, due to the high price of corn, have enabled the Carbide company to enter into competition with the only producer of this solvent. The increasing demand for butanol for the production of butyl acetate, used in the manufacture of nitrocellulose lacquers, and the inability of Commercial Solvents Corp. to supply the great demand is stated to be the reason for the entrance of the Carbide company into the field even though production costs are somewhat higher.

The Southern Fertilizer Association at its annual meeting in Atlanta, Ga., voted in favor of consolidation with the National Fertilizer Association. The final decision now rests with the national association, and will be decided at the annual meeting to be held during June. The Southern association re-elected the following officers and continued all committees until July 1, at which date the consolidation will be effected: President, E. L. Robbins, Meridian, Miss.; vice-president, E. E. Hodgson, Athens, Ga.; secretary-treasurer, Ernest E. Dallis, Atlanta.

Alexander Milburn Co., of Baltimore, has made an appeal in its \$2,500,000 carbide suit against Union Carbide and Carbon Corp. of New York and its affiliated companies. The appeal bond has been fixed at \$5,000. The case was tried in the United States District Court, and its appeal will be heard in the United States Circuit Court of Appeals at Richmond in December. It is alleged that the defendants had monopolized the acetylene torch business and were guilty of unfair competition in obtaining war contracts.

MABEY DISCUSSES TRUNK LINE RATES

Harry S. Mabey, of Mathieson Alkali Works, New York, read a report as chairman of the Traffic Counsel, Associated Industries of New York State, at a meeting called by W. S. Chandler, Traffic Commissioner of the Merchants Association of New York, and held Nov. 21, in the Woolworth building, to which representatives of trade associations in trunk line territory were invited. The object of the meeting, which was attended by about 100 members of various trade associations and chambers of commerce from all parts of the country, was to place before those present, as far as possible, just where the Merchants Association stands in regard to the proposed changes in freight rates in trunk line territory, and to give other associations an opportunity to join with the Merchants Association if their views are concurrent.

It was brought out at the meeting that the change in rates as proposed by the railroads has been presented in a very misleading way and that it is not clearly understood by shippers except that a general change from a zone basis to a straight mileage basis is proposed. It is expected that some time will be allowed the shippers to prepare their case after they have determined at the hearing before the Interstate Commerce Commission just what changes are contemplated.

C. H. MacDOWELL TALKS ON WASTE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—Among those attending the National Conference on Utilization of Forest Products, last week, were Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association; R. M. Snell, general manager of the Paper Makers' Chemical Co.; H. A. Gardner, of the National Varnish Manufacturers Association; D. J. Gay, of the Turpentine & Rosin Producers Association; L. N. Bent and J. E. Lockwood, of Hercules Powder Co. Dr. Herty was appointed a member of the committee on permanent organization. C. H. MacDowell, president of Armour Fertilizer Works, addressed the conference on "Waste In Industry and Methods of Combating It."

PRODUCED 464,702 GALS. METHANOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—September production, shipments and stocks of acetate of lime and methanol, made public by the Department of Commerce, show that 8,449,457 pounds of acetate of lime were produced, 10,022,960 pounds were shipped, and the stocks on hand at the end of the month amounted to 17,554,160 pounds.

Methanol production totalled 464,702 gallons, shipments were 578,381 gallons, and stocks on hand at the end of September were 1,626,070 gallons.

B. D. Saklatwalla, of the Vanadium Corp. of America, will receive the Grasselli medal for 1924 at a meeting of the American section of the Society of Chemical Industry, Dec. 5, at the Chemists' Club, New York. Mr. Saklatwalla was awarded the medal for his constructive work on the corrosion of steel. Dr. William H. Nichols will make the presentation speech.

C. F. Beatty, of New Jersey Zinc Co., was elected director of the Association of National Advertisers at the recent Atlantic City convention. Mr. Beatty will fill the unexpired term of Ralph S. Butler, who was elected vice-president.

Magnesite in barrels owned by Innis, Speiden & Co., New York, damaged by fire on Erie Railroad pier, Jersey City, on Nov. 16, was insured for \$15,000.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1634

INTERMEDIATE DEMAND INCREASING

Makers Report Steadily Increasing Sales—Pyridine Weaker Due to Small Demand and Large Stocks—Attempt to Strengthen the Market on Naphthalene—Benzol Continues in Good Demand and Prices Steady Despite Increasing Production

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Ortho-Toluidine, 3c lb.	
Declined	
Acid Monosulphonic, F, Delta, Para-Phenylenediamine, 5c lb.	
10c lb.	Pyridine, 5c gal.
Meta-Nitro-para-Toluene, 15c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.25	\$.25	\$.25	\$.21	\$1.10	\$.25
Naphthalene, flake .....lb.	.05½	.05½	.05	.06½	.16	.03
Phenol, Spot .....gal.	.25	.25	.25	.26	1.50	.08
Toluene .....gal.	.26	.26	.26	.23	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.75	..	..
Betanaphthol .....lb.	.24	.24	.26	.25	1.50	.08
Dimethylaniline .....lb.	.35	.35	.35	.40	1.30	..
Paranitroaniline .....lb.	.66	.66	.68	.74	1.58	.18
Average	0.327	0.327	0.331	0.342	..	..

Buying in the market for dyes and intermediates which has shown a steady improvement since September presented no reaction during the week, but on the contrary continued its upward movement. The feeling that buying for immediate requirements will cease shortly and that consumers will begin to purchase for future needs is prevalent in the trade. While textile operations in some quarters are still slack, large concerns are said to have increased their activities considerably and are now operating at about 70 per cent of normal capacity. Prices remain at recent levels with few exceptions and practically all items are on a firm basis. Demand for intermediates used in dyeing is good. Crudes continue steady with prices showing no change. The total output of benzol, which is steadily increasing, continues to be absorbed at unchanged prices. Whether buyers will call for all the benzol that will be produced when the steel industries return to normal production is not definitely known at this time, although one factor states that he could sell twice his supply now without leaving his telephone. Demand for most of the other crudes is increasing, although naphthalene and cresylic acid continue dull.

Crudes

Benzene—Market continues firm with all available supplies finding ready buyers and prices remaining at recent levels. Steel mills are increasing production of steel to quite an appreciable extent, but coking operations are still lagging due to the excess coke on hand. Estimated operation of all coke ovens is put at about 65 per cent of normal. Rubber concerns are reported operating at 100 per cent capacity in preparation for Spring trade and are consuming large quantities of benzol. Whether increased production will bring lower prices can not be accurately estimated at this time. Prices continue at 25c gal. for pure in tanks at mills, and 30c in drums. Ninety degree material, 23c in tanks and 28c in drums, mills.

INDUSTRIAL CHEMICAL SECTION

Cresylic Acid—Continues weak due to poor demand with market generally quoted at 60c@65c per gal. for 95% dark, in drums at New York; 65c@75c for 97-99% pale, drums, New York; and 55c@60c gal. for crude, spot, drums. These prices are shaded in some quarters and has sold as low as 59c gal.

Naphthalene—Manufacturers are attempting to strengthen the market by raising prices when practically no demand exists. This is regarded in some quarters as an attempt to effect sales for the Spring trade before the season arrives. The demand generally takes place in February, but it is hoped that the announcement of higher prices will cause buyers to cover now. Quoted at 5½c@6½c lb. for flake, and 6½c@7½c for balls, with 5c lb. openly quoted in some quarters and shading of this price intimated for firm offers.

Phenol—Situation remains unchanged with prices steady at 24c@26c lb. as to packing; indestructible drums, 24c lb.; and destructible drums, 25c@26c lb.

Pyridine—Weaker due to small demand and large supplies on hand. Some sales reported at \$3.90 gal., spot, with most factors quoting \$3.95@4.05 gal., with indications of shading. The recent cold weather was not severe enough to create a real demand.

Solvent Naphtha—Unchanged and still quoted at 24c@25c per gal. in tanks, mills. Drums 5c gal. higher.

Toluene—Supplies continue to be plentiful and no difficulty is experienced by buyers in this direction. Prices remaining steady at 26c gal. in tanks, mills, and 31c gal. in drums.

Intermediates

Acid Cleve's—Reported in steady demand at unchanged prices of \$1.00@1.05 lb.

Acid Gamma—Continues in routine demand at recent levels of \$1.40@1.50 lb.

Acid H—Demand steadily increasing, although 72c@75c lb. continues to be named by makers.

Acid N & W—Steady with price unchanged at \$1.10@1.25 lb.

Aniline Oil—Situation unchanged since last week with manufacturers naming an inside price of 16c@17c for tanks or carlots of drums.

Alpha-naphthylamine—In steady demand at makers prices of 35c@37c lb.

Benzidine—Continues quiet at recent prices from manufacturers of 78c@80c lb. as to quantity.

Beta-Naphthol—Makers announce that the recent price of 24c lb. in less than carloads will hold for the coming year. Prices for carload shipment not announced and each deal is a price in itself.

Diethylaniline—Unchanged at manufacturers' price of 58c@61c lb.

Dimethylaniline—Still quoted at 35c@37c lb. as to quantity.

Ortho-nitrotoluene—Makers continue to report a sold-up condition, but small lots are still available at 8c@9c lb.

Nitrobenzene—Unchanged at 9c@9½c lb. for the crude material and 9½c@10c lb. for refined.

Para-phenylene-diamine—Demand unusual for this time of year due to exceptional activity in the fur dyeing

industry. Slightly lower in price at \$1.25@1.30 lb. inside, for 350-lb. barrels.

Ortho-toluidine—Firmers with prices holding at recent levels of 14c@15c lb. from manufacturers.

Para-amidophenol—Continues dull at \$1.16@1.25 lb.

Para-nitraniline—Moving in fair volume at unchanged price of 66c lb.

Para-toluine—Reported firmer at 75c@80c lb. makers.

PROTESTS AMERICAN VALUATION DUTY

Sandoz Chemical Works has appealed in the United States Court of Customs Appeals against basing the value of pyrazolon for tariff assessment on the basis of the price named on domestic goods with no actual sales reported. The material imported by the Sandoz Works and sold to the Cincinnati Chemical Co. for the manufacture of yellow and fast light yellow, had been assessed for duty at something over \$1 per pound, which was the price shown on the invoices of sales made. The Board of General Appraisers, however, upheld the Government's contention that the price of \$4 per pound quoted by Pharma Chemical Co. on domestic goods should be used as a basis. It is to be decided whether the offers on domestic goods were bona fide and as such constitute a legitimate basis for assessing the imported article, or whether these offers were fictitious and not offers made, "in the ordinary course of trade."

Mary Hayden Rorke, managing director of Textile Color Card Association, has announced the six shoe colors to be featured for the Spring season, calling attention to the fact that the Spanish influence would tend to lay a greater stress on plainer shoe styles than have been prevailing. The colors announced by Mrs. Rorke at the meeting of the joint committee of the shoe industry held at the Hotel Astor are as follows: Priscilla, a light gray; an English or medium gray, sudan suede, a sand; Madrid, a medium brown; Vassar, a darker brown, and Rugby tan for men's shoes.

Imports of dyeing and tanning materials into Canada during September were valued as follows: From Britain \$14,695; United States, \$178,571, other countries \$30,199. Total \$223,465; compared with imports in September, 1923; from Britain, \$12,475; United States, \$178,595; other countries, \$68,515. Total \$257,785.

E. I. du Pont de Nemours & Co. are placing on the market under the name of Lithosol Acid TOB, a very high grade of tobas acid, of particular interest to manufacturers of lakes, as the purity is such that the red made from it is non-bleeding in oil and in water.

W. A. Taylor, formerly of the Chemical Warfare Service, has been appointed chemical director of the La Motte Chemical Products Co., Baltimore, Md.

SIR WILLIAM ALEXANDER'S VIEWS

(Continued from page 1607)

of goods that are directly consumed by the great masses of population, had the courage of their convictions, I believe that we could cut the periods of depression to almost nothing by working our plants at full capacity and cutting our selling price to the point where the goods would be consumed. We would take losses; but we take them anyway. To sell at below cost for a short time would in the long run be wiser and more profitable than to dawdle along on half time, piling up overhead and fixed financial charges and keeping our workmen alive on part wages and part charity; but crippling them and hurting their spirit."

LEADING DISINFECTANT MAKERS TO SPEAK

L. A. Watt, Monsanto Chemical Works, St. Louis, will address the annual meeting of the Insecticide & Disinfectant Manufacturers Association on "Cresylic Acid," at the Hotel Astor, New York, Dec. 15-16. Other features of the program are: "The White Emulsion Clause in Ordering Disinfectant Oils," by Dr. R. P. Soule, of Combustion Utilities Corp.; "A Code of Ethics" and "Sales Contests" by Frederick A. Hoyt, president of Frederick Disinfectant Co., Atlanta, Ga.; "Moth Preventives," by H. W. Hamilton, White Tar Co., New York; Carroll Dunham Smith, of the American Pharmaceutical Manufacturers Association, will speak on "Salesmanship."

Dr. J. K. Haywood, chairman of the Insecticide & Fungicide Board, Washington, will be present and will be asked to speak on the work of the board in enforcing the insecticide act of 1910. Judge Thompson, Proprietary Association, will also talk. Dr. Dreyfuss, of West Disinfecting Co., who has just returned from an eight months visit to Europe, Africa and Asia, will tell of his trip. An inspection trip to the plant of Atlantic Tar & Chemical Co., Bayway, N. J., has been arranged for by W. E. Jordan, of Jordan Coal Tar Products Co., New York.

KUTTROFF, PICKHARDT FIGHT DYE DUTY

The question whether importations of dyes, prior to the establishment of standards of strength by the Secretary of the Treasury, were subject to the specific duty of 7 cents per pound, as provided in the tariff act of 1922, is involved in the case before the U. S. Court of Customs Appeals brought by Kuttroff, Pickhardt & Co.

It is maintained by Kuttroff, Pickhardt & Co. that the assessment at 7 cents per pound is erroneous, and that no specific duty should have been assessed because the products were included within the third proviso to paragraph 28 of the act, which, the importing company continues, provided that the assessment named shall be based on standards of strength to be established by the Secretary of the Treasury, and because no standards had been established at the time duties were assessed and paid.

The Government contends that the last clause of the third proviso of paragraph 28 of the act, which reads: "But in no case shall any such articles of whatever strength pay a specific duty of less than 7 cents per pound," was meant by Congress to apply to all importations until standards of strength were established by the Secretary of the Treasury.

LEHN & FINK LOSE CRESYLIC ACID CASE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—A decision has been rendered by the United States Court of Customs Appeals on cresylic acid in connection with docket 2374 of Lehn & Fink, Inc., against the United States, affirming the judgment of the Board of U. S. General Appraisers, who overruled the importer's protest.

Cresylic acid was assessed at 40 per cent and 7 cents per pound under the coal tar products paragraph, of the dutiable list of the tariff act of 1922, and was claimed by the importer to be free of duty under the coal tar products paragraph of the free list. The Board of General Appraisers overruled the protest of the importer and the judgment of the board is affirmed.

Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, has been elected chairman of the New York Section of the Johns Hopkins University Alumni Association.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1651

CHINAWOOD OIL HIGHER FOR SHIPMENT

Improved Buying Strengthens Market—Linseed Oil Easier on Spot and for Shipment—Lard and Tallow Higher—Cottonseed Oil Firmer—Coconut Oil Easier on Spot—Rapeseed Oil Higher Due to Scarcity—Fish Oils Firmer and More Active—Turpentine Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Corn oil, crude, 3/4c lb.	Neatsfoot oil, 3/4c to 1/2c lb.
Cottonseed oil, 3/4c lb.	Rapeseed oil, 1c gal.
Greases, 3/4c to 1/2c lb.	Tallow oil, 3/4c to 1/2c lb.
Lard oil, 3/4c to 1/2c lb.	
Declined	
Coconut oil, Ceylon, 3/4c lb.	Oleo No. 3, 3/4c gal.
Cochin, New York, 3/4c lb.	Stearine, 3/4c lb.
Linseed oil, 1c gal.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.62	\$.70	\$1.26	\$.26 1/2
Degras, American, bbl..lb.	.04 1/4	.04 1/4	.04 1/4	.04 3/4	.23	.08 1/2
Lard No. 1.....gal.	.98	.98	.95	.79	2.90	.92
Menhaden, ord. tks.....gal.	.37 1/2	.37 1/2	.34	.50	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.35	1.35	1.33	1.32	3.45	.95
Red Oil, distilled.....lb.	.10 1/4	.10 1/4	.10 1/4	.09 1/2	.17	.07
Stearic Acid, T. P.....lb.	.14	.14	.13 1/2	.14 1/4	.33	.12
Coconut, Ceylon, bbls..lb.	.11 1/4	.11 1/4	.11 1/4	.10	.90	.14
Cottonseed, crude, tks..lb.	.08 3/4	.08 3/4	.08 1/2	.08 1/2	.25	.08
Linseed, crude.....gal.	1.10	1.11	1.05	.92	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.10	4.50	1.05
Peanut, refined.....lb.	.17	.17	.17	.16	.30	.08
Soya Bean, bbls.....lb.	.14	.14	.13 1/4	.11	.19 1/2	.07
Average	0.511	0.510	0.501	0.465	1.20	0.362

A further upward movement was recorded in the fixed oil market during the past week due to scarcity of stocks on hand and a general increase of orders. Buying in many cases seems to be for other than immediate needs, and consumers themselves are apparently responsible for driving the prices up to new levels in an effort to cover their requirements for business which they feel confident will develop shortly. The increased spot demand has also had the tendency to strengthen forward positions. An effort of the dealers to advance their prices a little on each apparent increase in activity, seems to be the rule, although in no case is too sharp an advance made at one time since such a procedure might create a buyers' strike. Linseed oil has eased off a little after it was found that sales were not plentiful at the peak price. Chinawood oil is firmer abroad due to increased activity here. Fish oils are moving in larger volume than has been recorded in some time, and higher prices are quoted for forward deliveries. Animal oils have also been advanced owing to improved buying and limited supplies in dealers' hands. A shortage in many items is looked for in December.

Vegetable Oils

Castor Oil—Firm due to steady demand and quoted at recent levels of 17c lb. for No. 3, and 17 1/2c lb. for No. 1.

Chinawood Oil—Reported firmer and recovered from its quiet period of last week. Not a large supply available on spot, but still quoted at 15 1/4c@16c lb. by dealers, although it is still possible to do 15 3/4c lb. in some quarters. Forward positions are higher with indications of a further rise. December delivery now quoted at 15 1/2c@16c lb.

Coconut Oil—Firmer and higher in price due to

smallness of spot stocks. Now quoted at 10 1/4c@10 3/4c lb. spot in tanks for Manila grade. Shipment for December arrival named at 10c@10 1/4c lb. Ceylon was easier and slightly lower in price due to slackening off of buyer at peak prices. Ceylon now quoted at 10 1/4c@10 3/4c lb. spot in tanks, with shipment for December arrival named at 10c@10 1/4c lb. Cochin was offered at 11 1/4c lb. spot in tanks.

Corn Oil—Higher and very scarce on spot with some dealers unable to find any available. Crude is quoted at 10c lb., mills, in buyers' tank cars. Refined steady at 13c lb.

Cottonseed Oil—Higher due to better buying of cotton in spite of a report of a larger cotton crop. Prices for P.S.Y. range from 11c@12c lb. as to position. Crude oil is reported stronger at recent levels of 8 1/4c@9c lb. Refined oil is quoted at 12 1/4c@13c lb. for winter yellow.

Linseed Oil—Slight reaction from high prices of last week and although prices will no doubt remain at close to present quotations their final adjustment does not appear to have taken place. Spot goods are now named at \$1.10 with rumors of shading in competition. Less than car shipments are quoted at \$1.13. The present decline seems to have been made in an effort to stimulate sales which reached a low point after the recent increase in price since most large consumers are said to have been partly covered and were marking time. This has brought a shading of forward positions with November named at \$1.07@1.08 and Dec.-March at \$1.06@1.07 as to seller. London quotes 46/; Antwerp, 415f. Flaxseed prices opened this week at Winnipeg at Nov. \$2.41; Dec. \$2.39; Duluth, Nov. \$2.66; Dec. \$2.66; and Minneapolis, Nov. \$2.65; Dec. \$2.70; May \$2.76; Buenos Aires \$2.23 1/2.

Olive Oil—Continues steady with prices the same due to smallness of spot stocks and limited supplies for shipment. Prices remain at recent levels of \$1.30@1.35 for denatured; 9 3/4c@9 1/2c for foots spot, and for shipment 9 1/2c@9 3/4c is as to seller.

Palm Oil—In active demand with stocks low. Prices continue firm and importers continue to name 9 1/4c@10c lb. spot far Lagos, and 8 3/4c@9c lb. for Niger.

Peanut Oil—Crude prices continue nominal due to smallness of supplies, and refined still brings 17c lb. spot.

Rapeseed Oil—Much firmer and advanced in price to 99c@1.00 gal. spot for refined. Very limited supplies available on spot and for shipment for which \$1.00 per gal. is named. A shortage of supplies is predicted in this item. Blown remains firm at \$1.06@1.08 per gal.

Sesame Oil—Firm due to limited supplies and quoted generally at 14c@14 1/4c lb. for refined.

Soya Bean Oil—Offerings continue scarce and sellers continue to name the same prices, asking for crude, \$12.60 per 100 lb. for spot goods, \$11.60 at Pacific Coast, \$13.75 at Atlantic Coast. Shipment for January is quoted at \$12.75. Barrels, spot are named at \$13.50@14.00 per 100 lb.

Animal Oils

Greases—Demand increasing and prices higher. Yellow has advanced to 9c lb.; brown firmer at 8c@8 1/4c lb.; house higher at 9 3/4c@9 1/2c lb.; white steady at 12 3/4c@13c lb.

Lard Oil—Higher in all grades due to increased buying. Edible prime named at 18½c lb.; off prime 17¼c lb.; extra 15¾c lb.; extra No. 1 13¾c lb.; No. 1 13c lb.; No. 2 12¼c lb.

Neatsfoot Oil—Firm and prices advanced for some grades. Sellers are asking 13¾c lb. for extra in barrels; No. 1 is quoted at 13c lb.; 20° cold test remains at 18½c lb.; and pure is unchanged at 15¾c lb.

Oleo Oil—Easier with shading of prices on some grades. No. 1 unchanged at 20½c@21c lb. in barrels; No. 2 easier at 18c lb.; No. 3 lower at 16¾c lb.

Red Oil—Firm and more active with prices at recent levels although an advance is expected, due to further increase in cost of raw materials. Makers are asking 10¾c@11¼c lb. in barrels for the distilled material, and 10¾c@11c lb. for the saponified.

Stearic Acid—Recent quotations unchanged but increased activity and advancing materials make an advance seem likely. Makers are naming 12c@12½c lb. for double pressed and 14c@14½c lb. for triple pressed.

Tallow—Price advanced slightly over the high price of last week due to limited supplies and active demand. Producers are now asking 10c@10¼c lb., New York.

Fish Oils

Cod Oil—Firm under increased demand due to buying of the leather industries. Sales within the past week in this direction are said to have been equal to the sales of far greater periods of the recent past. Prices remain at 55c@57c gal. of 7¼ lbs. spot, in tanks, and 62c@65c lb. in barrels. Shipment for December can be had at 58c, but for January 60c is named.

Menhaden Oil—Crude more active and firmer with stocks reported low; prices are unchanged, 57½c@60c gal., tanks, works. Refined oils holding steady at 70c@72c gal. for light strained; 73c@75c gal. for yellow bleached; and 75c@77c gal. for extra bleached. Demand for refined oils reported as quiet.

Sperm Oil—In good demand at unchanged prices of 92c@93c gal. for 38° material and 90c gal. for 45°.

TURPENTINE AND ROSINS TENDING LOWER (Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Nov. 24.—Turpentine closed the week at 78½c, a decline of 1½c from the price a week ago. Lack of demand has accounted for the drop in price. While a feeling exists that the improvement in general business will be reflected in turpentine prices, buyers are not anticipating their requirements and orders are being filled from day to day out of stocks. Receipts have been larger than the demand. Domestic buying has been showing improvement, while foreign purchases have fallen off. Receipts for the week, 2,659 bbls.; sales reported, 1,832 bbls.; shipments, 2,377 bbls.; stock, 12,108 bbls.

Rosins closed the week unsettled and slightly higher than a week ago. The fine grades have shown the most improvement, while the lower grades were easier. Buyers are beginning to hold off and prices are expected to decline until after the holiday. Receipts for the week, 10,955 bbls.; sales reported, 7,135 bbls.; shipments, 9,299 bbls.; stock, 83,156 bbls.

Jacksonville, Nov. 22.—Turpentine closed firm at 78½c, sales being refused at 78½c. Stocks, 25,017 bbls. Rosins closed unsettled with a downward tendency. Stocks, 105,891 bbls.

Howard S. Delany, of Delany & Co., Philadelphia, was elected president of the National Association of Glue Manufacturers at the annual meeting, held at Briarcliff Lodge, Briarcliff Manor, N. Y., recently.

FLAXSEED CROP EXCEEDS RECORD OF 1902

Production of flaxseed in this country for 1924 is estimated by Department of Agriculture at 30,652,000 bushels and is in excess of the record crop of 1902 when 29,285,000 bushels were produced. Production for 1923 totaled 17,429,000 bushels, and the five-year average for 1918-22 was 9,941,000 bushels. The yield per acre this year being 9 bushels higher than in some years past and an increase of 63.8 per cent in acreage also accounts for some of the increase.

The total crop in all countries of the northern hemisphere is said by the Department of Agriculture to be 65,605,000 bushels, this being an increase of approximately 28 per cent over the production in these countries for last year. Canada reports a total of 9,751,000 bushels for 1924 against 7,140,000 bushels for 1923. Poland estimates 2,738,000 bushels for 1924; Lithuania, 1,525,000 bushels; and Latvia, 964,600 bushels.

The 1924-25 Argentine flax crop forecast is 52,400,000 bushels, compared with 58,600,000 bushels, according to cable advice from the International Institute of Agriculture at Rome to the U. S. Department of Agriculture. The crop is the third largest since 1911-1912. A minimum carry-over is expected since reports from Jan. 1 to Nov. 1, 1924, were about 52,500,000 bushels and seed requirements are about 5,000,000 bushels.

Flaxseed in western markets next spring and summer is now set at \$3 a bushel, says the Archer-Daniels-Midland review. This is based upon the fact that in 60 days, flaxseed for May delivery advanced 40 cents over the normal period of the heaviest annual receipts, in which time, Minneapolis, Duluth and Winnipeg combined received 15,226 cars, against 9,051 in the same period last year.

Cargill Commission Co., Minneapolis, after summarizing reports from 4,013 country elevator or mill managers located at 2,996 country grain receiving points, estimated the flaxseed crop at 25,420,000 bushels, compared with the government October estimate of 29,200,000.

Charles J. Roh, of Murphy Varnish Co., who was elected president of the Paint, Oil and Varnish Club of New York to fill the vacancy created by the resignation of E. V. Peters, recently chosen president of the National Paint, Oil & Varnish Association, presided over the November meeting. The following concerns were elected to membership: National Oil Products Co., Harrison, N. J., Daniel Davis, representative; Commercial Solvents Corp., New York, William Mueller, representative; E. A. Munns Kalsomine Co., Brooklyn, Frank Munns, representative; St. Louis Smelting & Refining Co. (third membership), Fletcher W. Rockwell, representative; H. Hentz & Co., New York, John McD. Murray, representative.

Cottonseed crushed in the three-month period, Aug. 1 to Nov. 1, amounted to 1,084,553 tons, compared with 965,505 tons in the same period last year, and cottonseed on hand Oct. 31, amounted to 855,128 tons, compared with 739,947 tons a year ago, the Census Bureau announces. Cottonseed products manufactured during the same period and on hand Oct. 31, were: Crude oil produced 320,019,130 pounds, compared with 281,596,612 and on hand 82,808,298, compared with 93,858,099. Refined oil produced 224,296,671 pounds, compared with 174,955,643, and on hand 73,414,731, compared with 70,607,894.

Frank P. Cheesman, former president of the National Paint, Oil and Varnish Association, left last Saturday on a month's trip to the West Indies.

Chemicals for Consuming Industries

Heavy Chemicals, page 1636, Tan and Dyestuff, page 1653, Fatty Oils, page 1651

CONTRACTING IN CHEMICALS UNDER WAY

Consumers Anticipating Their Wants for the Coming Year—Any Increase in Demand Expected to be Reflected in Strengthening of Prices—Upward Movement Apparently Marking Time—Small Stocks in Consumers' Hands

The annual contracting season is now under way and according to manufacturers, consumers are showing more interest than in several years and are anticipating increased business during the coming year and are preparing to take increased quantities of raw materials. Prices in most cases are favorable to buyers at this time and the question of price has not been holding up any forward business. Bleaching powder and chlorine are exceptions since the prices at which contracts were made for 1924 were below production costs, while quotations for 1925 are back at the normal levels for these commodities. Chemical prices are holding steady and appear to be waiting for the increased demand which is generally expected to come and then prices are apparently due for an upward movement. The increased demand for chemicals has not yet been sufficient to strengthen prices though higher prices in metals have affected derivatives in a few instances. The feeling still prevails that small stocks in consumers' hands will be the deciding factor in the future of chemical prices.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.70	1.65	2.60	3.00	7.75	2.65
Arsenic.....lb.	.06½	.06½	.06½	.13½	.18	.04
Copper Sulfate.....100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Paris Green.....	.25	.25	.25	.29	.50	.11
Potash Murate, 90%.....ton	34.55	34.55	34.55	35.55	475.00	39.57
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate Rock, 68%.....ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%.....ton	9.00	9.00	9.00	8.50	21.00	15.00
Sodium Nitrate.....100lb.	2.40	2.42½	2.40	2.42	5.00	1.90

Average 11.547 11.545 11.552 11.879 103.50 13.84

Another quiet week was reported in fertilizers with dealers still waiting for the activity which they feel sure will arrive some time in December. Supplies of the

various products remained about the same as last week since very small amounts have changed hands since then. Limited quantities of fish scrap continue to be available, while supplies of ammonium sulfate have not been increased. Arsenic showed no signs of activity, and copper sulfate has not yet registered the advance that is expected in practically all quarters due to the rise in price of the metal.

Fertilizers

Ammoniates—Dried blood lower in price and now quoted at \$3.70 at New York, and \$3.75 at Chicago; steamed bone continues at \$22@23, Chicago, and raw \$33 per ton, New York; dried fish scrap lower due to small demand and obtainable at \$4.90, works, while acid scrap is higher at \$4.00, Norfolk and Baltimore; tankage, ground, New York, is higher in some quarters at \$3.40, and lower in others at \$3.25; tankage, high grade, Chicago, is weaker at \$3.10.

Ammonium Sulfate—Spot business quiet but quoted at an advance and now \$2.70@2.80 bulk, per 100 lbs., works, is named. Regular quantities moving under contract business. For double bags, f.a.s. New York, \$3.00 is named, and for single bags, works, \$2.90 per 100 lbs.

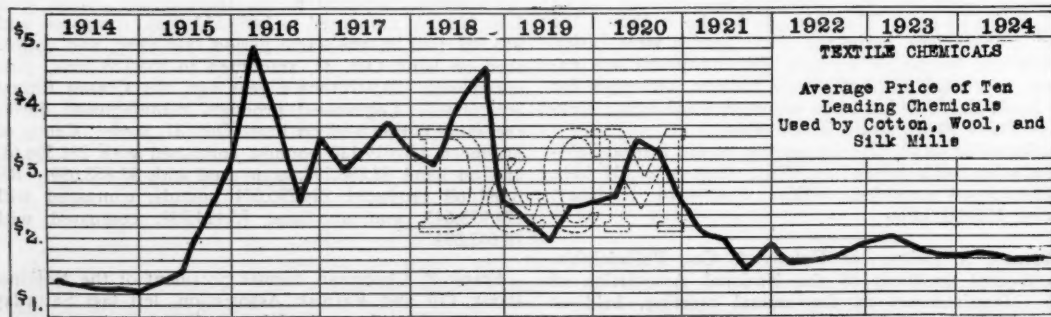
Sodium Nitrate—Easier on spot but steady for futures. Lack of demand for immediate delivery has brought the spot quotation back to \$2.40 per 100 lbs., while deliveries for Jan.-March continue to be named at \$2.45@2.47½.

Acid Phosphate—Moving in fair volume on spot with major part of shipments still being made on contracts. Prices are quoted at recent levels of \$9.00 per ton, bulk, works, Baltimore, for guaranteed 16% material.

Potash Salts—Situation remains the same with market dull for the most part. Spot business scarce but contract deliveries moving regularly. Prices unchanged and factors continue to quote: Murate, 80% basis, \$34.55 per ton; sulfate, 90% basis, \$45.85 per ton; manure salts, 30% basis, \$26@35 per ton; for 500 tons discounts range up to 10%.

Insecticides and Fungicides

Arsenicals—Little interest was displayed in arsenic during the past week and sales continued to be made at 6c lb. for spot goods, with 6¼c lb. being used by most factors as an asking price. The Japanese material remains at 6c lb. Calcium arsenate continues quiet and is still quoted nominally at 8c lb. Large stocks are in



INDUSTRIAL CHEMICAL SECTION

the makers' hands and practically none is moving at this time.

Copper Sulfate—Firmer with higher prices quoted on the imported material for shipment. The strong undertone created by the firming up of the metal continues, but has not as yet resulted in an increase of price for domestic material. However, there exists very little doubt that the price is now held at its low level only because of sharp competition; and as soon as sales increase to an appreciable extent the price will be advanced in all quarters. Carlot quantities continue to bring \$4.65 per 100 lbs. for domestic goods, while imported is now quoted \$4.90 per 100 lb. for shipment. Spot at \$4.40@4.50. Copper carbonate in slight demand with price unchanged at 16c@17c lb.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.12	.12	.12	.12½	1.50½	.07
Acid, Lactic, 22% dark .....	.05	.05	.05	.04½	.07	.02
Potassium Bichromate .....	.08¾	.08¾	.08¾	.09½	.65	.06¾
Epsom Salt, tech.	1.70	1.70	1.70	1.75	3.75	1.00
Sodium Prussiate, Imp. ....	.09½	.09½	.09½	.11½	1.25	.18
Soda Ash, 58% wks.	1.39	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06¾	.06¾	.07	.07½	.45	.04¾
Sodium Hyposulfite, pra.	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.03½	.10½	.02½
Average .....	.925	.925	.925	.982	3.267	.528

Demand for leather chemicals and tanning materials has been holding up fairly well since the recent improve-

ment in buying. Buying is more frequent though the quantities involved are still restricted to moderate amounts. A few dyeing and tanning materials continue in small supply, notably gambier and sumac. Fish oils are receiving more attention from tanners.

Acids—Demand has been somewhat routine with little change in the price situation. Acetic is moving steadily at former levels of \$3.12@3.37 as to quantity for 28% in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic is held at 11c@12c lb. on routine demand; lactic continues firm, 5c@5½c lb. for 22% dark, and 6c@6½c lb. for light; 44%, dark, 10c@10½c lb., and light, 12c@12½c lb.; oxalic is quiet and unchanged, 9½c@10c lb. muriatic, and sulfuric is firm at recent levels.

Alkalis—Contract business is occupying the bulk of attention at present and sellers report orders coming in freely. The 1925 contract prices are the same as those for 1924. Soda ash is named at \$1.25 in bulk, \$1.38 in bags, \$1.63 in barrels, for carlots of 58% light at works on contract; l.c.l. business, New York, \$2.04@2.19 in bags, and \$2.29@2.44 in bbls.; caustic soda on contract named at \$3.10 for carlots of 76% solid at works; ground and flake, \$3.50; spot l.c.l. business, \$3.76@3.91 for solid, and \$4.16@4.31 ground and flake.

Chemicals—Chemicals are moving in routine way at practically unchanged levels. Prussiates are tending upward though the soda salt is still moving at 9c@9½c lb.; yellow potassium prussiate, 17c@17½c lb., and the red, 37c@38c lb.; red arsenic holds at 15c@15½c lb.; potassium prussiate, 8½c@8¾c lb., and sodium bichromate, 6½c@6¾c lb.; sal ammoniac, imported, 6c@6½c lb. for white; Glauber's salt, \$1.25@1.50 for domestic;

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imported offered at 80c@90c; Epsom salt, \$1.35 for imported, and \$1.75 for domestic; sodium hyposulfite, 2½c @3c lb.; sodium sulfide is moving in better volume, 2¼c@2½c lb. for crystals, and 3¼c@4c lb. for solid.

Tanning Materials—No improvement is reported but a fair volume of business is taking place. Scarcity of spot supplies of sumac are keeping prices up to \$170 ton; myrobalans moving at \$42@\$44 ton for R1 and J2 and \$45 ton for J1; divi divi, \$42 ton; valonia cups, \$32 ton and beard, \$50 ton; wattle bark, \$37@\$39 ton; extracts are practically unchanged; chestnut, 1¼c@2c lb. in tanks, and 2¼c@3c lb. in bbls.; solid fustic, 14c@20c lb.; liquid gambier, strong, at 14c@16c lb., and common, 19c@20c lb.; hypernic, 14c@18c lb. as to grade; myrobalans, 4c@5c lb.; quebracho, 3c@4c lb. for liquid, and 4½c@5c lb. for solid; sumac, liquid, 6c@7½c lb., and stainless, 11c@12c lb.

Paper Chemicals

	Trend of the Market					Pre-War
	Today	Last Week	Last Month	Last Year	War Peak	
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$3.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Casein .....	.10½	.10½	.10½	.11½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.04½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.60	7.60	7.55	5.80	4.50	20.25
Average	6.124	6.119	6.100	6.408	13.30	5.50

With buyers now showing a willingness to contract



business in paper chemicals is assuming a better tone. While prices are unchanged a firmer tone is noted in a number of items. Casein has strengthened following the elimination of a number of cheap lots in the market. Alums have a higher tendency.

Alkalis—Contract business is occupying the bulk of attention at present and sellers report orders coming in freely. The 1925 contract prices are the same as those for 1924. Soda ash is named at \$1.25 in bulk, \$1.38 in bags, \$1.63 in barrels, for carlots of 58% light at works on contract; l.c.l. business, New York, \$2.04@ \$2.19 in bags, and \$2.29@\$2.44 in bbls.; caustic soda on contract named at \$3.10 for carlots of 76% solid at works; ground and flake, \$3.50; spot l.c.l. business, \$3.76@\$3.91 for solid, and \$4.16@\$4.31 ground and flake.

Bleaches—The bulk of the business is in the placing of contracts for next year's delivery. Some buyers are still hesitating over the new contract prices and are delaying orders. Prices appear firm, however, at the new schedule. Contracts in bleaching powder are being taken at \$1.90 for carlots of large drums at works; less than carlots, \$2.05; small drums, 25c higher and spot works prices 10c above contract prices. Liquid chlorine, 4c lb in tank cars on contract; carlots of cylinders, 5½c lb.; less than carlots, 7c lb.; ton lots or less, 8c lb. Spot works prices ¼c lb. higher.

Chemicals—Producers of aluminum sulfate are leaning toward higher prices but still name iron-free, \$2.25@ \$2.35, and commercial, \$1.30@\$1.35; blanc fixe is steady, \$75@\$80 ton; sodium silicate, 75c cwt. in tank, and 80c@85c in drums; sodium sulfite, 4c@4¼c lb.; salt cake held at \$18@\$20 ton.

Sizings—Casein is firmer with the removal of dis-

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INDUSTRIAL CHEMICAL SECTION

1816 1924

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tressed lots and the inside price is 10½c lb. Rosins are a trifle easier with the lower grades showing weakness. Quotations, New York: B to K, \$7.60; M, \$7.70; N, \$8.00; WG, \$9.35; WW, \$9.75.

Rubber Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$.39	\$.39	\$.39	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average	3.458	3.458	3.464	3.820	5.931	..

Contract business has shown some improvement over last week, but the demand from day to day has eased off slightly. The scarcity in supplies of imported whiting is still acute, but with better weather abroad this condition is expected to adjust itself rapidly. The cheap price of carbon black has resulted in active buying. Stocks of this item, however, are still ample for all needs. Diphenylguanidine has been in steady demand.

Acid—Acetic is in small demand at the moment at \$3.12@3.37 cwt. for 28 per cent; \$5.85@6.10 for 56 per cent; and \$8.19@8.44 for 80 per cent, commercial.

Accelerators—Have been in steady demand, especially diphenylguanidine, which is quoted at \$1.10@1.15 lb.

spot as to quantity. Aniline oil is named at 16c@17c lb. works, or 17c@18c lb. spot. Hexamethylene is in small demand at 82½c@85c lb. spot as to quantity. Quinoidine is unchanged at 40c lb. spot in drums. Thio-carbanilide is quoted at 27c@29c lb. spot and firm thereat.

Colors and Compounding Materials—Movement of this group has been along routine lines. Antimony sulfurette is in better demand at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson as to quality. Blanc fixe is quiet at 4c@4½c lb. f.o.b. New York. Carbon black is quite active, for low prices appear to tempt buyers. Quoted at 9c@10c lb. spot for l.c.l. in cases; 10c@11c lb. for air floated; and 9c@10c lb. for compressed. Works is quoted at 6c lb. in c.l. Magnesium carbonate is in better demand at 7½c lb. spot, and calcined at 5½c@6c lb. Talc is steady at \$14@15 ton works or \$25@26 ton ex-warehouse for domestic; French, \$40 @45; and Italian, \$60@80 ton. Whiting is still scarce at \$18@19 ton for imported, and \$13@15 ton for domestic material.

Mineral Rubber—Demand is routine at \$35@75 ton as to seller and quality.

Solvents—C.P. acetone is easier at 15c@17c lb. works in c.l. as to seller. Pure benzene still remains scarce at 25c gal. works in tanks, and 30c gal. in drums. Ninety per cent is named at 23c gal. in tanks, and 28c gal. in drums. Carbon bisulfide is in small demand at 6c@6½c lb. spot as to quantity. Carbon tetrachloride is easy at 6c@6½c lb. spot as to seller and quantity.

Sulfur—Demand remains routine at \$3.05@3.30 cwt.; and superfine, \$2.50@2.90. Sulfur chloride is in fair

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American Cotton Fabric Corp. has sold its mill at Fall River, Mass., to Firestone Tire & Rubber Co., and its plant in New Bedford, Mass., to Fisk Rubber Co. and Goodyear Rubber Co. Cash was the consideration in all sales. The American corporation, which is in a strong financial condition as shown by earnings of \$2,175,000 for the first ten months of 1924, will continue to operate its large mills at Passaic, N. J., and Newburyport, Mass., and its fine goods mill at New Bedford, Mass.

Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.09½	.12	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate	4.65	4.65	4.60	4.80	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07¼	.07¼	.07¼	.07	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks. ...	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07¼	.45	.04¼
Average	1.783	1.783	1.783	1.773	4.800	1.42

While some improvement is reported in consumption of textile chemicals, demand has not been sufficient to bring out price advances. A stronger tone is noticeable, however, in a number of items. Domestic potassium

permanganate is holding at the recent advance. Prussiates are stronger. Egg albumen is scarce and high.

Acids—Demand has been somewhat routine with little change in the price situation. Acetic is moving steadily at former levels of \$3.12@3.37 as to quantity for 28% in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic is held at 11c@12c lb. on routine demand; lactic continues firm, 5c@5½c lb. for 22% dark, and 6c@6½c lb. for light; 44%, dark, 10c@10½c lb., and light, 12c@12½c lb.; oxalic is quiet and unchanged, 9½c@10c lb. muriatic, and sulfuric is firm at recent levels.

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Chemicals—Prussiates are the strongest items with potassium prussiate, yellow, 17½¢ lb., and red, 37¢@38¢ lb.; sodium prussiate is holding at 9¢@9½¢ lb. with an upward tendency; potassium bichromate is easier at 8½¢@8¾¢ lb.; sodium bichromate, 6½¢@6¾¢; copper sulfate is holding at \$4.60@\$4.90 for domestic and \$4.40@\$4.50 for imported; lead acetate, white crystals, 15½¢ lb.; Glauber's salt is unchanged, \$1.25@\$1.50 as to quantity; sodium acetate, 4¾¢@5¢ lb.; sodium nitrite, 9¼¢@9½¢ lb.; caustic potash, 7¼¢@7½¢ lb. and firm.

Starches and Dextrines—Producers report an increasing demand. Deliveries during the month have been the heaviest of the year. Prices continue at former levels. British gum, \$4.82@\$4.92; white dextrine, \$4.52@\$4.62; yellow, \$4.57@\$4.67; potato, 8¢@8½¢ lb.; powdered starch, \$3.87@\$3.97; pearl starch, potato starch, 5½¢@6¢ lb.; sago flour, 3¾¢ lb.

H. A. Metz & Co., New York, have been sustained in their protest before the U. S. Board of Customs Appeals, the company claiming that cellulose ester should not be appraised for duty at 40 cents per pound under paragraph 31, but at 35 cents per pound under paragraph 30.

Chinese vermilion output in 1923 totalled approximately 20,000 cases of 60 catties—66½ lbs. each—valued at about 1,900,000 Hongkong dollars. About ten per cent of this production was shipped to the United States.

The stock, machinery and fixtures of Textile Dyeing Co., 40 University place, New York, damaged by fire Nov. 19, were insured for \$10,000.

LOWELL BLEACHERY CHANGES NAME

Lowell Bleachery, Lowell, has changed its name to National Fabric & Finishing Co. and has also authorized an increase in its capitalization. The total authorized capital stock has been increased from \$1,200,000 to \$3,750,000, represented by 22,500 shares of common stock and 15,000 shares of preferred. The increase is represented by 10,500 shares common stock and 15,000 shares of preferred, each of \$100 par value. The annual report of Lowell Bleachery shows surplus as of May 31 last of \$851,431 and accounts receivable \$119,354 and notes receivable \$3,255; against which are accounts payable of \$23,258 and no notes payable. Real estate is valued at \$1,839,375 and merchandise at \$153,573. Cash is \$138,616 and there is invested in securities \$460,027. Reserves are listed at \$691,233. Company is capitalized at \$1,200,000.

MAY REVISE CHEMICAL TRADE LIST

Revision of chemical commodities which are now listed in the official tabulation of import and export statistics is being considered by the chemical division of the Department of Commerce in conjunction with the division of statistics. An effort will be made to eliminate items that are not entering into foreign trade in sufficient volume to warrant inclusion in the published statistics and to separate and mention separately other items which are now included under blanket clauses. Suggestions from the chemical industry for the better guidance of the department would be welcome, according to C. C. Concannon, chief of the chemical division.



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DISCUSSES NEED OF TRADE ASSOCIATIONS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—The position of American business on important current national economic questions has been placed before President Coolidge by the Chamber of Commerce of the United States in a statement setting out principles upon which the Chamber lays emphasis as especially timely. Among other matters is that of trade associations and in that connection the Chamber's statement to the President says in part:

"Trade associations serve a very useful purpose which is generally overlooked. In the prosecution of trade associations the public, and perhaps to some extent the authorities, regard the trade associations as representing corporations with huge accumulations of capital. The fact is that the larger and richer the corporation, the less its needs for a trade association. It has, in itself, the means of obtaining all of the information which it needs in order successfully to compete. Not so with the smaller concerns. They cannot afford, except through pooling their interests through a trade association, to secure this business data at their own expense.

"The membership of the National Chamber, through a referendum vote, has made the following recommendations regarding the use of statistics by trade associations:

"Statistics of capacity, production, stock and sales, and statistics of actual prices in closed transactions, should be collected by a trade association for its industry or branch of commerce.

"Such statistics should be distributed without any comment or interpretation which could induce or facilitate concerted action on the part of its members.

"The statistics should be made as available by a trade association to the public and government agencies as to the members of the association."

CHEMICAL ENGINEER COURSE OUTLINED

Dr. J. H. James, of Carnegie Institute of Technology, Pittsburgh, in a report on the chemical engineering courses in 78 institutions, says the course has not yet become standardized in the United States. He says:

"As far as the work of the engineer relates only to the routine design and manufacture of standard mechanical equipment, perhaps we can grant that this part of our work can be handled best by the mechanical engineer. When it comes to the selection of proper materials for the equipment required for a new process, we certainly cannot delegate this to our mechanical engineers. We may admit that many problems in construction are on the border line between the two professions, but even here there is developing very rapidly a large amount of apparatus, the design and construction of which is becoming exclusively the province of the chemical engineer.

"Because of the peculiar needs of industries based on chemistry, which have become more and more insistent during the past thirty years in this country and for a longer period in Europe, there is certainly justification for the attempts that have been made to give courses in chemical engineering, despite arguments to the contrary. The average engineering graduate steps into routine production. Of course, such men are needed by modern industry; all cannot be leaders, but we cannot get way from the idea that it is unfortunate for the engineering profession that economic pressure has made the four-year course the standard in most of our institutions. The ideal plan would be: A four year liberal arts college course, followed by two or three years of high grade professional training involving much research work."

INDUSTRIAL CHEMICAL SECTION

Trade Notes and Personals

Apex Color Works, Inc. has filed judgment for \$18.95 in New York County against Morris Kaunshansky.

Grasselli Chemical Co. has placed its advertising account with Tiffany-Bayless Co., advertising agency, Cleveland.

James H. Rhodes & Co., Hunters Point, New York, sponges, chemicals and abrasives, has bought the business of A. Isaacs & Co., New York, which was the oldest sponge company in this country.

British and French delegates who are considering German proposals for a commercial treaty with Great Britain have refused to modify the 26 per cent export tax for the reparations fund.

Merrimac Chemical Co., Beacon Oil Co., Colonial Filling Stations, Inc., Sexton Can Co., New England Compressed Gas Co., New England Gas & Coke Co., were among the firms of Everett, Mass., that exhibited at the city industrial show held Nov. 5-7.

The use of the words "import" or "imported" in advertising in connection with the sale of goods or merchandise not actually imported into the United States is held by the Federal Trade Commission to constitute an unfair method of competition.

International Agricultural Corp. common and preferred stocks have been stricken off the trading list as of Nov. 24, 1924, by the Board of Governors of the New York Stock Exchange because of failure by the company to maintain proper facilities for the transfer of stock. The company gave as its reason its desire to avoid the expense of obtaining a further supply of stock certificates.

The Eastern Shippers Traffic League, Philadelphia, is being organized to combat the proposed increases in freight rates described by that organization as "unjust, unreasonable and discriminatory." The attention of shippers is called to the fact that the increase will alter the sales of every shipper, have a tendency to localize trade, widen the difference between carload and less carload shipments, and require greater distributing expenses.

Patents owned and controlled by the U. S. Government are public property and may be made use of without infringement, according to a recent ruling by Attorney-General Stone. These patents have been granted to employees of the various departments of the Government and have been dedicated to the Government. The Departments of Agriculture, Interior, Navy, and War, the Bureau of Standards as well as other branches of the Government are in possession of many patents capable of wide industrial application.

An attempt will be made by the "Scientific American" in conjunction with Professor H. H. Sheldon of the Department of Physics of the Washington Square College of New York University, to determine whether it is scientifically possible and commercially practicable to convert mercury into gold. Dr. E. E. Free, editor of the "Scientific American," explained that a comprehensive series of experiments will be carried out in an effort to confirm by a somewhat different process the results reported to have been achieved by Professor Adolf Miethe at the Charlottenburg Technical College, Berlin.

HOOVER URGES ELIMINATION OF WASTE

"Elimination of national waste" is the keynote of Secretary Hoover's annual report, made public by the Department of Commerce. Under this head Mr. Hoover reviews the accomplishments of the Department during the first three years of the present administration, notably in the fields of unemployment, seasonal construction, coal, superpower, standardization, simplified practice, co-operative marketing, and the reduction of housing costs.

"A definite constructive national program has been developed for the elimination of waste in our economic system," says Mr. Hoover. "The need is plain. The American standard of living is the product of high wages to producers and low prices to consumers. The road to national progress lies in increasing real wages through proportionately lower prices. The one and only way is to improve methods and processes and to eliminate waste. Just as 20 years ago we undertook nation-wide conservation of natural resources, so now we must undertake nation-wide elimination of waste. Regulation and laws are of but minor effect on these fundamental things. But by well-directed economic forces, by co-operation in the community we can not only maintain American standards of living—we can raise them.

"We have the highest ingenuity and efficiency in the operation of our industry and commerce of any nation in the world. Yet our economic machine is far from perfect. Wastes are legion. There are wastes which arise from wide-spread unemployment during depressions, and from speculation and over-production in booms; wastes attributable to labor turnover and the stress of labor conflicts; wastes due to intermittent and seasonal production, as in the coal and construction industries; vast wastes from strictures in commerce due to inadequate transportation, such as the lack of sufficient terminals; wastes caused by excessive variations in products; wastes in materials, arising from lack of efficient processes; wastes by fire; and wastes in human life. One of the most important agencies through which the elimination of waste may be promoted is the trade association."

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Alcohol, wood	11912	Patras, Greece	Purchase
Chemicals, industrial	11894	Buenos Aires, Argentina	Agency
Chemicals, bulk	11813	Johannesburg, S. Africa	Agency
Medicines, proprietary	11918	Cape Town, S. Africa	Purchase
Paints	11907	Bushire, Persia	Purchase
Pharmaceutical preparations	11913	Johannesburg, S. Africa	Agency
Surgical requisites	11913	Johannesburg, S. Africa	Agency
Toilet preparations	11913	Cape Town, S. Africa	Purchase
Toilet preparations	11918	Paris, France	Purchase
Arsenic	12079	Recife, Brazil	Purchase
Chemicals, heavy	12046	Rio de Janeiro, Brazil	Agency
Chemicals, heavy	12077	Bogota, Colombia	Agency
Dentifrice and dyes	12078	Sao Paulo, Brazil	Purchase
Essential oils	12063	Sao Paulo, Brazil	Agency
Paints	12037	Bushire, Persia	Purchase
Paints	12044	Bushire, Persia	Purchase
Paints and varnishes	12064	Bahia, Brazil	Agency
Paints, varnishes, & pitch	12063	Sao Paulo, Brazil	Purchase
Rosin	12079	Paris, France	Purchase
Rosin for paper factories	12082	Vienna, Austria	Purchase
Soda, caustic	12065	Sao Paulo, Brazil	Agency
Soda, caustic	12010	Taihoku, Japan	Purchase
Sulfate of ammonia	12081	Paris, France	Purchase
Turpentine	12079	Genoa, Italy	Agency
Turpentine	12080		
Oil linseed, pure, raw			
bleached and edible	12083	Vienna, Austria	Agency

Financial Notes

Sherwin-Williams Co., of Canada, Ltd., has declared the regular quarterly $1\frac{1}{2}\%$ and preferred $1\frac{3}{4}\%$, payable Dec. 31 on stock of record Dec. 15.

Atlas Powder Co. has declared a quarterly dividend of \$1 on the no par value common capital stock, payable Dec. 10 on stock of record Nov. 29.

International Salt Co. has declared the regular quarterly dividend of \$1.50 a share on the capital stock, payable Jan. 2 to stock of record Dec. 15.

De Soto Naval Stores stock brought \$2 for 20 shares, and \$1 for 10 shares when sold at auction at the salesrooms of Adrian H. Muller & Sons, New York, last week.

Globe Soap Co. of Cincinnati has declared quarterly dividends of $1\frac{1}{2}$ per cent on the first, second and special preferred stocks, payable Dec. 15. Books close Dec. 1 and reopen Dec. 16.

Monroe-Louisiana Carbon Co., Monroe, Ala., has increased its capital stock from \$3,000,000 to \$20,056,200, and Catlin Shale Products Co., New York, has increased its capital from \$750,000 to \$1,250,000.

Securities sold at auction at the salesrooms of Adrian H. Muller & Sons, New York, last week, brought the following prices: United States Food Products Corp., 150 shares, \$1 for the lot; 50 shares, \$1; 10 shares, \$1.

An extra dividend of \$1 a share has been declared on the capital stock of Sterling Products, Inc., payable Dec. 15, to stockholders of record Dec. 1. Toward the close of last year the company declared a similar extra dividend.

Corn Products Refining Co. has applied to the New York Stock Exchange for permission to list \$750,000 additional common capital stock. This application is made by the company in connection with a plan to sell stock to its employees.

A quarterly dividend of $62\frac{1}{2}$ cents a share on the common stock of Chesebrough Manufacturing Co., Consolidated, and a dividend of \$1.75 a share quarterly on the preferred stock have been declared. Both dividends are payable Dec. 29, to stockholders of record Dec. 9.

For the three months ended last Aug. 31, Freeport Texas Co. reports a deficit of \$130,000, against a surplus in the corresponding period of last year of \$144,000. For the nine months ended last Aug. 31, the company reported a surplus of \$28,000, against \$688,000 for the same period the year before.

Continental Baking Corp., announces that the entire 2,000,000 shares of class B, no par value stock have been issued. A total of 575,000 shares are reserved for the exchange of shares of United Bakeries into Continental stock, and the remainder will be used for the exchange of shares of other companies concerned in the merger.

E. I. du Pont de Nemours & Co. have declared regular quarterly dividends of 2 per cent on common and $1\frac{1}{2}$ per cent on debenture stock. Common is payable Dec. 15 to stock of record Dec. 5. Debenture dividends are payable Jan. 26 to stock of record Jan. 15. E. I. du Pont Powder Co. has declared the regular quarterly dividends of $1\frac{1}{2}$ per cent on common and $1\frac{1}{4}$ per cent on preferred stocks, both payable Feb. 2 on stock of record Jan. 20.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Nov. 22

Bid	Asked	Bid	Asked
*Air Reduction	83 3/4	84	92
*Allied Chem. & D.	75 1/2	76	105
*Allied Ch. & D., pf. 117	117 3/4	117 3/4	3 3/4
*Am. Ag. Ch.	15 1/4	15 1/4	2
*Am. Ag. Ch., pf.	41 1/2	42	18
*Am. Chiclé	84 3/4	85	23
*Am. Chiclé, pf.	88 3/4	90	36 1/2
*Am. Cyan.	91	95	34
*Am. Cyan., pf.	76	78	1 1/4
*Am. Druggist, S.	5 3/4	5 3/4	6 1/2
*Am. Glue	39	41	10 3/4
*Am. Glue, pf.	104	108	20 3/4
*Am. Linseed	22	22 3/4	92
*Am. Linseed, pf.	42 3/4	43 1/4	78
*Am. Metal	48	48 1/4	38
*Am. Zinc	8	9	95
*Am. Zinc, pf.	30 3/4	31	150
*Archer-Dan-Mid	23	23 3/4	99
*Archer-Dan-Mid, pf. 87 1/2	80	80	101
*Atlas Powder	49	49 1/4	57
*Atlas Powder, pf.	88	91	86
*By-Prod. Co.	42	47	86
*By-Prod. Co., pf.	102	102	135 1/2
*Canad. Ind. Al.	42	44	116
*Canad. Salt	95	100	117
*Casein Co.	62	66	164
*Celluloid Co.	55	60	85
*Celluloid Co., pf.	96	99	85
*Charcoal Iron	20	35	82
*Ches. Mfg.	47	49	115 1/2
*Ches. Mfg., pf.	112	115	100
*Clark Co., Fred	2	3 1/4	100
*Cleve. Cliffs Iron	75	87	150
*Com'l Solv. A.	85	87 1/2	4
*Do. B.	82	83 3/4	6
*Corn Products	38 3/4	39 1/4	132
*Corn Products, pf. 119 3/4	120 3/4	120 3/4	32
*Davison Chem.	40 3/4	41 3/4	105 1/2
*Dow Chem. non par. 59	61	61	64 1/2
*Dow Ch., pf.	100	101	24
*Dow Drug Co.	150	175	8
*Dow Drug Co., pf.	104	106	87 1/2
*Du Pont de Nem.	132	133	59 1/4
*Du Pont de Nem. Db. 92 3/4	93	93	104 1/2
*Eastman Kodak	110 3/4	111 1/4	52
*Eastman Kodak, pf. 111	111 1/4	111 1/4	27 1/2
*Freepport Tex.	8 1/4	8 3/4	85
*Genl. Asphalt	51 1/2	52 1/2	57
*Genl. Asphalt, pf.	91	92	89
*Gold Dust	39	40	127
*Grasselli	122	124	132
*Grasselli, pf.	102	103	84 1/4
Hercules Powder			106 1/2
Hercules Powd., pf. 103			23 1/2
Heyden Chem.			9
Hooker Electro			99
Hooker Electro, pf.			101
*Household Products. 36 1/4			57
*Int. Agricult.			86
*Int. Agricult., new. 6 1/2			135 1/2
*Int. Agricult., pf.			116
*Int. Nickel			164
*Int. Nickel, pf.			85
*Mathieson Alk.			82
*Mathieson Alk., pf. 92			115 1/2
MacAnd. & Forbes. 149			100
MacAndrews & Forbes, pf. 99			108
Merck & Co., pf.			108
Merrimac			145
Mulford Co.			98 1/2
*National Lead			4
*National Lead, pf. 116			132
N. J. Zinc			30
Niag. A.			103 1/2
Parke, Davis & Co. 80 1/2			65
Penn. Salt			20
*Peoples Gas, Chi.			20
Procter & Gamble.			85
Procter & Gam., pf. 104			57
Royal Bkg. Pow.			127
Royal Bkg. Pow., pf. 98 1/2			84 1/4
Shawinigan			106 1/2
Shawinigan H.			9
Sherwin-Williams			12
Sherwin-Will., 1st pf. 103 1/4			14
*Sterling Prod.			
Swan & Finch			
*Tenn. C. & Chem.			
*Tex. Gulf, Sul.			
Union Carbide			
*Un. Drug			
*Un. Drug 1st pf.			
*Un. Dyewood			
*Un. Dyewood, pf.			
Un. Gas Imp.			
Un. Gas Imp., pf.			
U. S. Gypsum			
*U. S. Indus. Al.			
*U. S. Indus. Al., pf. 102 1/2			
*Var. Car. Ch.			
*V. Vivaudou			
Will & Baumer			

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.63
France (franc)	193	.052
Italy (lira)	193	.048
Germany (mark) per hundred	28.80	
Czechoslovakia (crown) per hundred	20.30	.030
Poland (zloty)	193	.192
Japan (yen)	499	.385
Holland (guilder)	402	.402
Spain (peseta)	193	.136
Belgium (franc)	193	.048
Switzerland (franc)	193	.192
Norway (krone)	268	.148
Sweden (krone)	268	.268
Denmark (krone)	268	.176
Argentina (peso)	424	.378
Brazil (milreis)	324	.116
India (rupee)	485	.348
China (Silver dollar, Hongkong)	789	.552
Tael-Shanghai, silver)	1.986	.758
Tael-Peking, silver)	1.156	.785

Directors of the Texas Gulf Sulphur Co. have declared an extra dividend of 50 cents a share on the capital stock, in addition to a quarterly dividend of \$1.75 a share, both dividends being payable Dec. 15 to stockholders of record Dec. 1. George Whitney, of J. P. Morgan & Co., was elected to the board of directors, succeeding the late Elliot C. Bacon.

A quarterly dividend of 2 per cent has been declared on the common stock of National Lead Co., payable Dec. 31 to stockholders of record Dec. 12.

New Incorporations

Famco Tapestry Mills, New York, \$100,000. A. Kleckner, H. Kleckner, J. Wood, Jr. Attorney, H. C. Gomprecht, New York.

Chemical Treatment Co., New York, 5,000 shares preferred stock and 150,000 shares common, each no par value. E. Harding, J. T. Pratt, J. D. Sears. Attorneys, Campbell, Harding & Pratt, New York.

Broza Manufacturing Co., Dover, Del., \$25,000. Metal polishes. Capital Trust Co. of Delaware.

Warner Sugars, \$505,000. Manufacture sugar and syrups. M. M. Meyers, Horace R. Lamb, William K. Laws, New York. Corporation Trust Co. of America.

Silver Brite Manufacturing Co., New York, \$20,000. Silverware cleansers. E. J. Lavoie, L. Rosenblum, J. McCabe. Attorney, D. Senft, Brooklyn.

Oil Reduction Co., New York, 500 shares common stock, no par value. Drugs. J. Cassidy, R. F. Thomas, K. L. Bresnahan. Attorneys, Hays, St. John & Buckley, New York.

Superficial Corporation of New York, New York, \$20,000,000. Delaware charter. Manufacture oil, coal and by-products. U. S. Corporation Co.

Pittsburgh Storage Battery Co., Wilmington, Del., \$100,000. Manufacture. Colonial Charter Co.

Tupelo Agricultural Corp., Wilmington, Del., \$10,000. Manufacture fertilizers. Alfred French, F. F. Ward, Charles J. Cottee, New York. U. S. Corp. Co.

Money-Saver Trouble-Proof Tire Corp., New York, \$250,000. F. Hecht, J. M. Findling. Attorney, T. W. McKnight, New York.

Manhattan Silk Dyeing & Processing Works, Brooklyn, N. Y., \$25,000. L. Heymann, A. Arky, F. Winter. Attorney, A. Joseph, New York.

Firestone Cotton Mills, Fall River, Mass., \$5,000,000. Textiles. Bernard M. Robinson, Akron, O.; Roger F. Hooper, Boston; Franklin King, Brookline, Mass.

James Whittaker & Sons, Oxford, Mass., \$300,000. James Whittaker, Harry Whittaker, Stanley Whittaker, all of Northboro.

Taunton Oilcloth Co., Taunton, Mass., \$100,000. Oilcloth, artificial leather and coated fabrics. George K. Gardner, Hingham; Douglas H. Worall and Robert H. Duncan of Cambridge.

Lowell Bleachery, Boston, Mass., \$100,000. Bleaching. Sidney Coolidge, Concord; Patrick W. Kiernan and Mark A. Adams of Lowell.

Parfumerie Rigaud, New York, 2,350 shares preferred stock, \$100 each, 3,800 shares common stock, no par value. Manufacture perfumes and cosmetics. H. Rigaud, L. Crossant, M. M. Sterling. Attorney, W. L. Post, New York.

Laboratoire de Pharmacologie, New York, 650 shares preferred stock, \$100 each, 1,000 shares common stock, no par value. Medicines. H. Rigaud, M. M. Sterling, J. H. Hecker. Attorney, W. L. Post, New York.

Bevil, New York, 30 shares common stock, no par value. E. Kramer, B. Prince, H. T. Weiss. Attorneys, Bony & Schloss, New York.

Certone Co., Wilmington, Del., \$1,000,000. Manufacture drugs. Colonial Charter Co.

New Process Plate Glass Co., Delaware, \$150,000. Manufacture. Capital Trust Co. of Delaware.

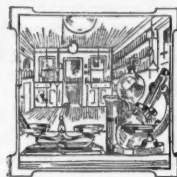
Belasirio Alvarez, New York, \$30,000. Chemists. B. Alvarez. W. B. Kelly, F. Faulhaber. Attorneys, Olcott, Mestre & Gonzales, New York.

Durham Paper Mills, Philadelphia, \$100,000. Delaware charter. Corp. Guarantee & Trust Co.

Among the industrial issues making new high records on the New York Stock Exchange last week were the following: American Can Co., American Chiclé Co. pf., American Linseed Co., Commercial Solvents Corp., A. Fleischmann Co., Glidden Co., New York Cannery Co., St. Joseph Lead Co., Texas Gulf Sulphur Co., U. S. Smelting, Refining & Mining Co., William Wrigley, Jr. Co.

Commercial Solvents Corp. has declared the regular quarterly dividends of \$1 a share on the class "A" common stock and 2% on the preferred, both payable Jan. 1 to stock of record Dec. 20. President Munford said: "Production continues to run to capacity and prospects are good. Some plant extensions were authorized to take care of anticipated increase in demand."

Barclay Chemical Corp., New York, has increased its capitalization from \$10,000 to \$25,000.

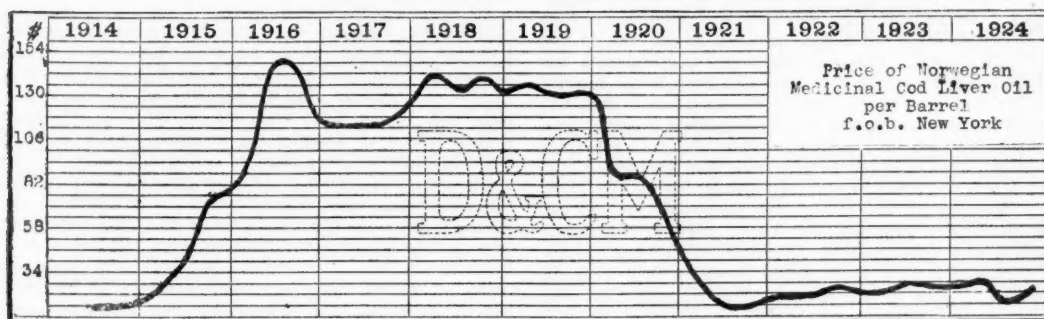


Drug & Fine Chemical SECTION



Is Codliver Oil Price Justified?

Although Consumption has Increased, 1924 Production was 40 Per Cent Over 1922 and 1923



DESPITE the fact that the production of Norwegian codliver oil during the present year has reached a total exceeded only by that of 1912 and is some 35 per cent higher than the production of 1923, and 45 per cent above that of 1922, consumers are faced with the highest spot prices that have been quoted within the last three years. Production of medicinal oil for 1924 totals 130,917 barrels, while in 1923, 96,610 barrels were produced, and in 1922, 90,067 barrels. There is very little doubt that all the medicinal oil refined this year will find its way into consumption, although on the other hand, it is not certain that any real shortage exists.

During the past six months the price has dropped to a fairly low point and, then as is usually the case with this product, started to climb again and has gone up steadily ever since. At the end of May, this year, the oil sold for \$24.00 a barrel spot, and importers here stocked heavily. The spot stocks being large, Norwegian producers were unable to move any more to dealers and thereupon cut the price for shipment. This resulted in the price for shipment being considerably lower than spot and buying was done on a shipment basis where possible. As a result of this price change, many dealers, who had just entered the field, immediately left it, and the importing of oil narrowed down to the same small number of factors as before. Quite naturally enough, with oil for shipment much cheaper than spot, importing slowed down to a great extent until now, when spot stocks are about exhausted and only limited quantities are due to arrive, a tight situation is presented.

In some quarters, it is said that large consumers are covered and that the demand is made up of a great number of small orders, while others state positively that some large consumers are still uncovered but will not come into the market while it is in its present condition. Whether large consumers are covered or not matters but little to the producer or dealer, so long as the demand is sufficient to consume all the stocks on hand and

all that can be imported for some time to come, as seems to be the case at present.

Of course, the dealer's problem is not an easy one, since he is in no position to know what the producers are going to do. If he stocks heavily and the producers lower the price for shipment, then he will suffer considerable loss. On the other hand, if the price for shipment is raised, he is in a position to demand higher prices. The price appears to have no fixed or definite limits but is subject entirely to the demand at the time, and the general demand is doubtless on the increase. Some factors seemed to think in the recent past that the consumption of oil was going to decrease, but this is far from the facts as they are at present. New uses have been found and the consumption is far above what it has been. It is reported that in some of the products now using the medicinal oil, it might be possible to substitute the crude material. While this has not been definitely determined, if it were possible, the situation might be relieved somewhat, although the oil would be consumed before it were refined and thus there would be so much less oil for refining.

Norway Probably Holds Stocks

Stocks abroad are reported in some quarters to be about exhausted. This hardly seems probable in the face of the enormously increased production, since consumption is not reported to have increased forty per cent in proportion. The statement is made by other factors that the Norwegian producers watch the condition of the market in this country closely and deal out their product in a way that seems to net them the largest profits. Of course, this practice can only be carried so far since many factors enter into it. The need of cash is probably the greatest factor in forcing the marketing of a commodity, although the driving of a price to great heights invites competition. The latter condition is very remote, however, and it is stated that the price will have to soar far above its present levels

before competition from Newfoundland would be injected into the situation.

A certain part of the present high market is due to the higher rate of exchange on Norwegian currency. During July when the price was \$20.50 a barrel, the value of the kroner in United States currency was 13.4c, while today it is valued at 14.9c. This difference in the value of the purchasing medium is equal to slightly better than 11 per cent and would account for an increase in price of somewhere from \$2.20 to \$3.00 per barrel. Foreign exchange however, appears to be on a firmer basis and it is not to be expected that any decided weakening will set in. Thus it is almost certain that prices for the future will be based altogether on a rate of exchange at approximately the present figure.

Low Output Expected for 1924

Some time last April, the market on codliver oil assumed a bullish attitude when it was announced that the production for 1924 was destined to be one of the lowest on record. This announcement coupled with the fact that imports up to that time had been much heavier than for previous years created the impression that but a small supply, insufficient for the increased consumption, remained abroad. As is now evident this was far from the truth, since it is now known that the production this year is not the lowest on record but is among the highest. Whether or not the present increases are the result of another shortage that exists only in the minds of those who can profit by its existence, is hard to say, but certainly a very acute world shortage of oil cannot exist. The fact in the matter that concerns all who are interested in any way at all in codliver oil, is that high prices are here, and what is to be determined, is whether they will remain for any length of time or will decline in the near future.

Predicts Higher Prices by January

To-day, one factor predicts a \$50.00 a barrel market before the end of the year, while others cannot foresee such a price, but are certain of a market of \$35.00 or better, but not as high as \$40.00. Spot goods can still be obtained at \$28.50 although an asking price of \$29.00 is not uncommon. Shipment can be had and sales are being made at \$28.00 while other prices run up to \$29.00 c.i.f. New York. The only consumer without ample supplies on hand who can be at ease at a time like this, is the one who has absolute confidence in his dealer. There is no question that codliver oil is a product of speculation by both the dealers and the producers with one trying to outguess the other and the consumer paying the bill in most cases.

The present bullish condition of the market does not appear from the facts to be justified, but markets have risen before when not justified by basic conditions. It would be well for every consumer to study his needs carefully and proceed cautiously in a tight market like the present. Under these conditions, it is for him to decide whether or not he cares to come into the market at this time for any considerable quantity of oil.

The National Wholesale Druggists Association says, Charles Harold Waterbury, secretary, by the introduction of modern methods of construction and equipment has saved millions of dollars to members of the association. Correction of defects pointed out in conferences with the National Board of Underwriters is largely responsible for the advances made. As a result of these conferences many new structures have been erected, safety pumps for oils, refrigerators for biological products, and special safety quarters for explosives and inflammables, as well as sprinkler systems have been installed.

DRUG AND FINE CHEMICAL SECTION

The Editor's Correspondence

Protest Against Cramton Bill

Enclosed is a copy of a letter which we have this day sent to our Connecticut Senator, the Hon. George P. McLean. We feel that you will be interested in the active part that we are taking in opposing the Cramton Bill.

THE KOLYNOS COMPANY

C. D. Dunlap, Assistant Secretary
New Haven, Conn., Nov. 9, 1924.

Senator George P. McLean,
House of Senate,
Washington, D. C.

As one of your constituents and also a large user of alcohol, we wish to urge you to oppose the so-called Cramton Bill which at the last session was taken from the Senate Judiciary Committee. This bill is very inimical to our interests in that it deprives us of the right of appealing to the Commissioner of Internal Revenue in case drastic and unnecessary regulations are issued by the Prohibition Commissioner. The Cramton Bill provides that the supervision of all users of alcohol, whether non-beverage or denatured, shall be transferred from the Collectors of Internal Revenue and their experienced field assistants who are familiar with the needs of the industry to the Prohibition Directors and their aids, many of whom have been demonstrated to be incompetent, fanatical and dishonest. The bill also greatly expands the authority of the Prohibition Commissioner and if enacted would empower him to impose the most drastic restrictions upon the operations of all manufacturers using alcohol.

Even under the Internal Revenue Department as it now is, the Prohibition Unit has succeeded in promulgating from time to time rather drastic regulations. Three of these readily come to mind. The first one, T. D. 3335, was an attempt to cause bonding companies to compel permittees to deposit collateral equivalent to 25 per cent of the amount of their bonds. We ourselves, carry a bond of \$27,500 covering the use of our particular allotment of alcohol, and we would therefore have been compelled under this ruling, to deposit nearly \$7,000 worth of collateral with the bonding company. Active opposition resulted in this proposed regulation being withdrawn.

Another one was Prohibition Mimeograph No. 282 which proposed a lot of new records being kept. This was also rescinded before it became effective. The latest one was an order requiring manufacturers of alcoholic preparations to demand undertakings from their distributors, that the latter would keep records, submit to inspections and make reports to the Prohibition Unit, on all goods coming from the manufacturer. This was obviously so unjust and so impossible of accomplishment that the trade organizations as a unit demanded its repeal. The result was that the order was rescinded before really becoming operative.

These three instances show that under the present system, even if badly conceived orders are promulgated, a company can appeal to the Department of Internal Revenue and the order is repealed. We urge you to use your influence in protecting the alcohol using industries against the Prohibition Unit which by its actions so far, has proved that its most important aim is undoubtedly to diminish the legitimate use of alcohol as a commercial necessity.

THE KOLYNOS COMPANY

Nov. 19, 1924. C. D. Dunlap, Assistant Secretary

CARROLL DUNHAM SMITH SALESMEN MEET

A convention of the Eastern salesmen of Carroll Dunham Smith Pharmacal Co. was held last week at the company's office in East 34th st., New York, where the newer men were introduced to the heads of departments in the office and laboratory. Methods and facilities in the different activities of the business were pointed out to the salesmen who then visited the laboratory.

Sessions were held at the McAlpin Hotel, where details of the work in the field, with plans for expanding the business, were discussed. Lunch and dinner were served at the hotel.

The meeting was addressed by Carroll Dunham Smith, president of the company, C. Wells Irwin, sales manager, and by several salesmen.

NAMES PHARMACEUTICAL COMMITTEES

J. H. Foy, president of the American Pharmaceutical Manufacturers' Association, after a Summer in Europe, has announced the personnel of twenty active committees to carry on the work of the association for the year. The number of committees denotes the large number of subjects in connection with the drug trade to which this association gives its attention. Among the more prominent are: Legislative, G. C. Pratt, Philadelphia, chairman; Costs, Overhead and Uniform Accounting, F. A. Mallett, Des Moines, chairman; Business Policy, R. M. Cain, Indianapolis, chairman; Membership, C. H. Searle, M.D., Chicago, chairman; Executive, J. H. Foy, Newark, chairman; Publicity, S. DeWitt Clough, Chicago, chairman.

The plant of Industrial Alcohol of Manitoba, newly formed subsidiary of Canadian Industrial Alcohol, Ltd., at St. Boniface, will start operations in a few weeks. The manufacture of commercial alcohol will not start for some months in the Manitoba company's plant, but the new company's up-to-date bottling plant will be put in operation at once. The plant was formerly operated by a brewing company.

Sustaining a protest of Parke, Davis & Co., the Board of United States General Appraisers found that pituitary and other glands of animal origin imported from Buenos Aires, some of which are fresh and others desiccated, are drugs and entitled to free entry under paragraph 1567, Act of 1922. The collector's assessment at 20 per cent, under paragraph 1459, as non-enumerated manufactured articles, was reversed.

Ray M. Hudson, chief of the Division of Simplified Practice, Department of Commerce, told a meeting of the Folding Box Manufacturers National Association in the Hotel Blackstone, Chicago, recently, that if this industry had not been developed to its present degree, the consumer and producer would alike face a handicap in procuring even the ordinary daily necessities or in distributing them.

Payment of drawbacks of customs duty on chemicals and other products may be expedited according to the opinion of Attorney-General Stone, who says that Comptroller-General McCarl has no authority to question the administrative action of the Secretary of the Treasury in allowing drawbacks.

Newfoundland cod oil guaranteed absolutely pure and unadulterated can now be booked for December delivery at 58c per gallon of 7 $\frac{3}{4}$ lb., in barrels ex-dock, New York, according to Edgar H. Laing, New York.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids on Dec. 2, for 5,000 gallons of alcohol.

AMERICAN PLAN TO CURTAIL OPIUM SUPPLIES PRESENTED AT GENEVA**Central Board Suggested to Which the Contracting Parties Shall Furnish Estimates of Their Requirements Each Year—Japan Wins Point Regarding Certificates**

Geneva, Switzerland, Nov. 26.—The American delegation to the International Opium Congress presented through Stephen G. Porter a series of proposals by which it is believed the supplies of illicit narcotics now reaching the public can be curtailed. It is recommended that imports of raw opium for the purpose of making prepared opium, which is generally used for smoking, be curtailed in those countries where such use is now permitted, the amount imported being reduced 10 per cent each year until all importations cease. It is also suggested that the contracting parties take measures for the gradual suppression of the manufacture of, internal trade in and the use of prepared opium. A central board is recommended to which the contracting parties will each year furnish estimates of their requirements for all purposes, the signatory countries undertaking to prohibit importation in excess of the quantities necessary.

Sir Malcolm Delevinge of the English delegation submitted the report of the Business Committee with the explanation that it had been reached after differences of opinion had developed. The report, he said, provided for the appointment of two committees to consider the propositions in the draft project prepared by the League of Nations Advisory Committee and which would be the basis of the conference's work. One of these committees would discuss limitation of the production of the raw material to medical and scientific needs and the other would frame the necessary amendments to The Hague Opium Convention. Six subcommittees also would be appointed, he added.

Alluding to the endeavor made by Representative Stephen G. Porter of Pennsylvania, to enlarge the scope of the conference so as to permit examination of all aspects of the opium problem, Sir Malcolm said he recognized that apprehensions existed whether some questions might not be excluded. He insisted, however, that the committee's report followed closely the wording of the Assembly resolution authorizing the convocation of the conference.

The British delegation finally yielded to Japan's demand that Japanese certificates shall be accepted when Japan transships opium at Hongkong to be shipped to other countries. Japan will now sign the convention.

Representative Stephen G. Porter of Pennsylvania, chairman of the American delegation, actively supported by the Cuban, Chinese and Uruguayan delegates, won a clear-cut victory for publicity in all the committee meetings of the conference. All were agreed that the meetings of the two main commissions should be public. Subcommittee meetings will be secret. The manufacture of heroin will be prohibited.

Dr. A. S. Burdick, president of Abbott Laboratories, and of the American Drug Manufacturers Association, and S. DeWitt Clough of Abbott Laboratories, Chicago, an active worker in the American Pharmaceutical Manufacturers Association, are in New York on business. They attended a lunch and conference at the Chemist Club on Friday, Nov. 21.

Imports into Canada of drugs, medicinal and pharmaceutical preparations during September were valued as follows: From Britain, \$79,059; United States, \$76,315; other countries, \$48,369. Total \$203,743, compared with imports in September 1923: From Britain, \$91,768; United States, \$84,412; other countries, \$27,291, total \$203,471.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1634

IMPORTED TARTARIC ACID ADVANCES ½c

Spot Stocks Becoming Reduced—Codliver Oil Firmer—Cocoa Butter Advances—Menthol Lower—Mercury Easier—Thymol in Good Supply—Japanese Camphor Easy—Bromides Strongly Held—Potash Permanganate Firm—Salicylates Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Acid, Tartaric, Imp., ½ lb. Ether, Anesthesia, 3c lb.
Cocoa Butter, Bulk, 5c lb. Glycerin, C. P., Drums, ½ lb.
Codliver Oil, Norwegian, 80c bbl.

Declined
Glycerin, Saponification, ¼c lb. Mercury, 50c flask
Menthol, 25c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	.36	.36	.35	.33	\$2.00	.20
Acid Citric, Import .....	.46	.46	.45½	.49	1.25	.45
Caffeine Alkaloid	3.60	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.67	.67	.68	.86	3.55	.41
Iodine, Resublimed	4.75	4.75	4.75	4.55	5.00	3.75
Menthol	13.75	14.00	12.75	15.00	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49½	.49½	.49½	.54	2.05	.50
Average	2.42	2.44	2.31	2.59	5.92	1.56

Spot holders of medicinal and fine chemicals are not anxious to force sales by cutting prices. They feel that consumers are in need of the goods, and will pay the asking prices providing they are not prohibitive. The high prices asked for shipment have resulted in a number of reduced stocks, and the trade looks for higher prices in these items in the near future. German makers appear to be fast reaching a more independent state in regard to chemical prices, naming their quotations and sticking to them. While codliver oil has advanced to \$28.50 per barrel on spot, several importers think this price is still cheap compared with other commodities. Menthol has been in active demand at the lower price of \$13.75 pound. Reports from Germany state that bromine has advanced to \$3 per kilo, which equals about 70c per pound. Bromide manufacturers have ceased operations, and are selling from stock only. Domestic quotations on fine chemicals are unchanged.

Acetanilid—Makers still name 36c@38c lb. spot as to quantity, and resellers are inside at 35c@36c lb.

Acid Acetylsalicylic—Little interest is being manifested at the moment at 75c@85c lb. spot from first hands, and 72½@75c lb. from resale quarters. Now is the time for consumption, but the usual activity at this time of the year is not apparent.

Acid, Citric—Imported is quiet at 46c@46½c lb. spot as to seller with shipment named at 30c lb. c.i.f. New York. Stocks on spot are not heavy. Domestic named at 46c@47c lb.

Acid, Phosphoric—Firm and active at 15c@16c lb. spot in resale hands, and 16c@17c lb. by makers.

Acid, Salicylic—In small demand at 35c lb. spot by makers, and 33c@34c lb. from resellers.

Acid, Tartaric—Imported has advanced and now quoted at 26½c@27c lb. spot owing to tendency to scarcity, and higher shipment figures. One dealer in

this item is looking for 30c tartaric. Any large movement of stocks will probably result in an acute situation, as far as imported goods are concerned. Domestic material, however, will be obtainable at 29c lb.

Alcohol—In active demand with the possibility of advance in the near future owing to advancing cost of raw material. Quoted at 57½c@59½c gal. spot for No. 1 specially denatured in drums, and 55½c@57½c gal. for No. 6 completely denatured in drums.

Alolin—Firm and active at 88c@90c lb. spot.

Amidopyrine—Imported in small demand at \$4.35@ \$4.50 lb. spot, and domestic at \$4.60 lb.

Antipyrene—In steady demand at \$1.90@\$2.00 lb. spot as to quantity.

Bay Rum—Quoted on spot at \$1.05 gal. for either St. Thomas or Porto Rican material.

Bromides—Imported goods are firmly held, for nothing under present quotations is being accepted. The trade looks for an advance due to the strength of raw material in Germany. Bromine is quoted at 70c lb. f.o.b. Hamburg. Makers are not producing at the moment. Spot ammonium is quoted at 48c@50c lb.; potassium, 42c@44c lb.; and sodium, 44c@46c lb. with shipment named at 33c lb., 33c lb., and 35c lb., c.i.f. New York, respectively. Domestic quoted at 53c@54c lb. spot for ammonium; 47c@48c lb. for potassium; and 47c@49c lb. for sodium.

Camphor—Japanese is easy on spot at 67c@68c lb. in 2½-lb. slabs, with prompt shipment named at 60c lb. c.i.f. and up. The synthetic is giving keen competition to the natural product. Last week 417 cases of refined and 230 cases of crude were imported at New York.

Cocoa Butter—Bulk has advanced at 31c@32c lb. spot in bales, and strong thereat. Fingers are quoted at 34c@35c lb.

Codliver Oil—Norwegian has advanced again on spot, and now \$28.50@\$30.00 bbl. is wanted. Prompt shipment is also higher at \$28.00 bbl. c.i.f. New York. Demand continues active, and at the present rate of consumption, little stocks will probably be carried over into the next season.

Cream Tartar—Imported has been moving in fair volume, but supplies are still ample at 20½c@21c lb. spot. Replacements are fully equal to these prices. Domestic named at 21¼c@21½c lb.

Epsom Salt—Domestic in active demand at \$2.50 cwt. in barrels, and imported \$1.75 cwt. spot.

Ether—Anesthesia higher at 19c lb. spot in drums owing to advance in alcohol.

Formaldehyde—Competition among sellers is somewhat more keen, although price of 9c@9¼c lb. works in car lots is still unchanged. Carboys, 10½c lb.

Fusel Oil—Consuming quarters appear well filled at the present time. Sellers are offering at \$3.25@\$3.40 gal. spot as to quantity. Stocks, on the other hand, are none too plentiful, and holders are inside at the above figures.

Glycerin—C. P. is slightly higher at 19c@19½c lb. spot in drums due to the active demand that has been apparent for the past few weeks. Dynamite is quoted at 17½c@17¾c lb., although some large sales were made in the West last week at 17¼c lb. With an increase

in activity in the soap business, supplies of glycerin are expected to show larger volume.

Haarlem Oil—In fair demand at \$2.75 gross for domestic, and \$4.00 gross for imported material.

Iodine Tincture—U.S.P. firm and active at \$4.30@ \$4.40 gal. spot as to quantity.

Iron and Ammonium Citrate—First hands report active demand at 69c lb. spot.

Menthol—Has declined slightly to \$13.75@ \$14.25 lb. spot as to quantity. Although new crop oil is reported above normal, some fair business has been done, especially for late positions. The spot position is not weak, and a firming up within the next month is entirely likely.

Mercury—Lower at \$69.00@ \$69.50 flask as to quantity in spite of the limited amount of stocks in New York. Most all of the recent imports at New York have gone into consumption. London names £10 10s 6d per flask.

Papain—In small demand at \$2.15@ \$2.25 lb. for U.S. P. material, and \$1.80@ \$1.85 lb. for crude.

Potassium Permanganate—Domestic firm and active at 14 3/4c@ 15 3/4c lb. works as to quantity. Imported is also strong at 15c lb. with a tendency to higher figures owing to the limited amount on spot.

Quinine Sulfate—First hands are firm at 50c oz., and resale quarters are inside at 47 1/2c@ 48c oz.

Saccharin—Makers report a steady demand at \$1.90@ \$2.10 lb. spot as to quantity.

Santonin—Firm at \$150@ \$157 lb. spot as to quantity.

Sodium Benzoate—In fair demand at 62c@ 65c lb. spot as to quantity. These prices may be shaded in a large way, however.

Sodium Salicylate—Quiet at 40c lb. spot by makers, and 37c lb. by resellers

Strychnine—Active and firm at 81c oz. for alkaloid in crystals, and 71c oz. for powdered.

Thymol—Supplies are somewhat more plentiful, although price is steady at \$5.00@ \$6.00 lb. spot as to seller and quantity.

CHANDLER MEDAL GOES TO PROF. KENDALL

Award of the Chandler medal to Prof. E. C. Kendall, in charge of the Chemical Division of the Mayo Foundation of the University of Minnesota, is announced. Prof. Kendall will receive the honor at a meeting at Columbia University in February, when he will deliver the Chandler lecture. He was born in Norwalk, Conn., March 8, 1886, receiving the degree of B.S. in chemistry from Columbia in 1908, A.M. in 1909, and Ph.D. in 1910. As research chemist he conducted investigations of the thyroid in Detroit, and later at St. Luke's Hospital, New York. Since 1911 he has been associated with the Mayo Clinic and the Mayo Foundation. Prof. Kendall succeeded in isolating the active constituent of the thyroid. He has been a contributor to the "Journal" of the American Chemical Society, of which he is a member, and to other scientific publications.

The Chandler medal was established in 1910 by friends of Charles P. Chandler, now Professor Emeritus at Columbia, and for more than half a century an outstanding figure in chemical science. Prof. Chandler was one of the founders of the American Chemical Society. Others who have received the Chandler medal are Dr. L. H. Baekeland, of New York, now president of the American Chemical Society; Dr. W. F. Hillebrand, U. S. Bureau of Standards; Dr. W. R. Whitney, Schenectady, N. Y.; Dr. F. Howland Hopkins, and Dr. Edgar F. Smith, Provost Emeritus of the University of Pennsylvania.

LONDON SPECULATING IN CLOVES

Advances Announced in Ergot, American Peppermint Oil, Japanese Mint Oil, Antimony and Lycopodium—Bismuth Salts Lower—Quotations on Acetic and Benzoic Acids, Menthol and Arsenic

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Nov. 26.—Speculation in cloves, white pepper and gingers has been renewed. Prices are firm and a fair volume of trade has been transacted. Higher prices are announced on ergot, American peppermint oil, Japanese mint oil, antimony and lycopodium.

The market is firmer for citric acid, oil cloves and bromides.

Prices are lower for bismuth salts, subcarbonate being off two shillings, acetic acid, benzoic acid, menthol and arsenic.

London, Nov. 15. (By Mail)—Several important trade amalgamations, hung up over the past year, are being carried out, and the general feeling of confidence will soon find its reflex in the chemical and produce markets. The volume of trade this week has been fairly satisfactory and values continue to be maintained. Following are outstanding features.

Bromides continue to advance, but the prices asked have not yet reached the extremely high level ruling on the Continent. The prices quoted are: Potassium P.B. cryst, 1s7d per lb.; sodium B.P. cryst, 1s9d per lb.; ammonium scarce, 2s per lb.

Peppermint Oil, American, in tins is still advancing, sales having been made at 29s6d per lb. and to arrive 30s c.i.f.

Japanese Mint Oil is higher for prompt and forward delivery. After 19s6d was paid, 20s is now wanted on spot, and October-November shipment 17s6d c.i.f. with some afloat at 18s6d per lb.

Cloves, Zanzibar, are firmer at 1s1d per lb., and oil of cloves is dearer at 7s6d to 7s9d per lb.

Codliver Oil is well sustained at 118s per barrel which is about the parity of Bergen wire quotation c.i.f.

G. F. Harvey Co., manufacturing chemists of Saratoga Springs, N. Y., has acquired group life, accident and health insurance on about 150 employees for a total coverage of approximately \$225,000. The policy, issued by the Metropolitan Life Insurance Co., was written on the contributory plan whereby the Harvey company and the employees jointly pay the premiums. Employees, in the service of the Harvey company less than five years, are each insured for \$1,000; those between five and ten years, for \$2,000; and those more than ten years for \$3,000 each. In addition to life insurance protection, the accident and health policies provide weekly benefits ranging from \$10 to \$30, for a stipulated period.

Rhodia Chemical Co.'s protest before the U. S. Board of General Appraisers claiming that duty assessed on small blown glass articles imported in an unfinished state and used, when finished with a metal syphon top, as sprayers of ethyl chloride, should be levied in accordance with paragraph 218 of the act of 1922 at 65 per cent ad valorem as surgical articles, and not as called for in paragraph 217 of the same act for vials, has been sustained by Judge Sullivan.

Powers-Weightman-Rosengarten Co., Pailadelpoia, have issued their supplementary price list to the trade, in which ten advances and thirty-six declines since the first of the month are given. The declines are due to the drop in bismuth preparations and citrates.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1643

BUCHU LEAVES ADVANCE 2c LB. ON SPOT

Stocks Closely Held—Shipment Prices Moving Up—Amber Sorts Advance Again—Decorticated Cardamoms Active—African Ginger Higher—Larkspur Seed in Keener Competition—Insect Powder Lower—Spanish Saffron Higher—Dandelion Root Lower \$

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Althea Root, Cuts, 5c lb.	Elm Bark, Select, 1c lb.	Aletris Root, 1c lb.	Larkspur Seed, 75c lb.
Arabic Gum, Amber Sorts, 1/2c lb.	Fennel Seed, German, 1c lb.	Condurango Bark, 2c lb.	Manna, Small Flake, 2c lb.
Asafetida, Whole, 2c lb.	Ginger, African, 1 1/2c lb.	Dandelion Root, 1c lb.	Snake Root, Canadian, 6c lb.
Balsams, Oregon Fir, 5c gal.	Henbane Leaves, U.S.P., 1c lb.	Insect Powder, 2c lb.	
Belladonna Leaves, 1c lb.	Marjoram Leaves, French, 4c lb.		
Buchu Leaves, 2c lb.	Saffron Flowers, Spanish, \$1.00 lb.		
Cardamom Seed, Decort., 10c lb.	Sandarc Gum, 7c lb.		
Cinchona Bark, Broken, 1c lb.	Senna Pods, 2c lb.		
Cloves, Zanzibar, 1/2c lb.	Sassafras, Select, 1c lb.		
Deer Tongue Leaves, 1/2c lb.	Thyme, French, 1/2c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P. ....	.35	.35	.35	.50	.90	.42
Buchu Leaves, Short .....	.78	.76	.76	.89	4.00	.85
Cantharides, Russian .....	.80	.80	.80	1.75	9.00	2.10
Cocculus Indicus .....	.03	.03	.03	.03 1/2	.85	.08
Ergot, Spanish .....	.65	.65	.62	.38	4.50	.54
Insect Powder, pure .....	.44	.46	.45	.62	1.00	.28
Ipecac, Cartagena, Powd..	2.50	2.50	2.40	2.10	4.50	1.35
Nux Vomica .....	.05	.05	.05	.06 1/2	.14 1/2	.07
Opium gum	12.00	12.00	12.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.35	.35	.35	.38	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.15	1.45	6.00	1.80
Wild Cherry Bk., thin nat.	.08 1/2	.08 1/2	.08 1/2	.11	.21	.07
Average	1.50	1.59	1.56	1.35	5.28	1.60

With the broadening of consuming demand, dealers have found that their stocks are none too plentiful, and in a number of instances need replenishing. When they turn to primary markets, they find prices have moved up considerably from the last inquiry. If this condition lasts for any length of time, the trade thinks that it will cut down forward commitments, except on firm orders, with the result that from now on stocks will be held at a minimum. Under these conditions sufficient interest ought to be present to keep crude drug houses busy. The market does not lack changes. The advances have far outnumbered the declines during the week. Although no great interest is shown in domestic crude drugs, several dealers think a general advance will occur in the near future. A firmer attitude among shippers on the Coast is apparent, especially in balsams. Sharp competition in dandelion root has resulted in easier prices on spot. Insect powder has declined owing to easier shipment figures.

Aconite Root—While some dealers are quoting 35c lb. spot, one seller is inside at 36c lb. Demand has been routine only during past week.

Agar Agar—Little business transacted at \$1.55@\$1.60 lb. spot for No. 1 material, and \$1.35 lb. for No. 3 goods. London is quoting 5s 3d per pound for No. 1, and Jan-Mar. shipment at 4s 3d per pound c.i.f. London.

Aletris Root—Easier at 42c@44c lb. spot owing to keen competition among sellers.

Aloes—Curacaos are steady at 10 1/2c@11c lb. spot as

to quantity. Stocks are ample on spot, but they are closely held at current prices. Cape, 9c@9 1/2c lb.

Althea Root—Cuts have advanced sharply and now quoted at 28c@30c lb. spot as to quantity. Whole is unchanged at 11c@12c lb.

Anise Seed—Spanish is firm at 14 1/2c@15c lb. spot as to seller. Demand has not been active, but at the same time stocks are none too plentiful.

Arabic Gum—Amber sorts have advanced again and now quoted at 12 1/2c@13c lb. spot owing to further reduction of spot stocks. Replacement costs are equal to these prices.

Arrowroot—St. Vincent is firm at 14 1/2c@15c lb. spot. London reports present stocks of 4,083 barrels, compared with 1,843 barrels in 1923; imports this year, 9,626 barrels, against 6,092 barrels in 1923; and deliveries of 5,072 barrels, against 7,336 barrels in 1923.

Asafetida—Whole has advanced to 24c@26c lb. spot, and powdered 38c@40c lb.

Balsams—Oregon fir has firmed up to \$1.00@\$1.10 gal. spot owing to higher shipment prices. Although stocks on the Coast are in fair volume, they are closely held. Canadian fir also higher at \$11.00@\$11.50 gal. For other balsams, see the "Essential Oil Markets."

Belladonna Leaves—Have advanced to 26c@27c lb. spot, and root firm at 13c@14c lb., with some houses inside at 14c lb.

Buchu Leaves—Spot bales have moved up to 78c@80c lb. and 83c@85c lb. for less owing to better control of spot supplies and higher import costs.

Candelilla Wax—Active at 28c@30c lb. spot as to quantity.

Caraway Seed—Dutch in small demand at the moment at 10c@10 1/2c lb. spot, and African 9 1/2c@10c lb.

Cardamom Seed—Decorticated have advanced to \$1.90 @ \$2.00 lb. spot as to quantity, and green \$1.50@\$1.60 lb. Bleached is still unchanged at \$2.00@\$2.25 lb. Stocks on spot have been materially reduced within the past few weeks. Shipment prices are firmer owing to advancing exchange rates.

Cascara Sagrada—Generally quoted on spot at 14 1/2c@15c lb. for 1924 peel, and 21c@28c lb. for older bark. Supplies are well controlled on spot as well as on the Coast. Sellers are not looking for any decided upward movement until early Spring.

Celery Seed—Although some houses are quoting 30 1/2c lb. spot, others are inside at 31c lb. Primary market conditions are far from being settled at the moment. The export duty may be added to the cost, then again it may not.

Cinchona Bark—Broken has advanced to 26c@27c lb. spot as to quantity. Quills, 50c@52c lb.

Cloves—Zanzibars have moved up to 30c@31c lb. spot as to seller. Market is firm with upward tendency owing to reduction of spot stocks.

Condurango Bark—Lower at 17c@20c lb. spot as to seller and quantity.

Cowhage—Quiet at 55c oz. spot.

Damiana Leaves—Supplies available on spot at 16c@17c lb. in spite of the rumors that 35c lb. is the inside price.

Dandelion Root—Easier at 26c@28c lb. spot as to

seller owing to keener competition. Shipment prices are unchanged over last week. Although a large gathering was made this year, these supplies are being disposed of at a fast rate.

Deer Tongue Leaves—Higher at 9c@9½c lb. spot.

Elm Bark—Select has advanced to 29c@31c lb. spot as to quantity. Supplies closely held on spot.

Ergot—Spot quoted at 60c@65c lb. spot as to seller and quantity, with the possibility of much higher prices owing to reduction of spot stocks. Prompt shipment is named at 55c lb. c.i.f. New York. Europe has been buying in the New York market during the past two weeks. Last week 38 bales were imported at New York.

Fennel Seed—German has advanced to 14c@17c lb. spot as to quality. French named at 10c@10½c lb. and Indian, 7c@7½c lb.

Gambier Gum—Higher at 19c@20c lb. spot owing to active demand.

Gamboge Gum—Has advanced to 76c@78c lb. spot.

Ginger—African is higher at 20c@21c lb. spot owing to active demand, and higher replacement costs. Jamaica, 26c@32c lb.

Henbane Leaves—Firm at 29c@30c lb. spot as to quality.

Insect Powder—Has eased off to 44c lb. spot with shipment of flowers named at 27c lb. c.i.f. New York and up.

Job's Tears—Higher at 18c@20c lb. spot.

Juniper Berries—Firm at 6½c@7½c lb. spot as to seller, and scarce thereat.

Larkspur Seed—Easier at \$2.50@\$3.00 lb. spot as to seller.

Lycopodium—Firm and active at 60c@62c lb. spot.

Manna—Small flakes easier at 38c@40c lb. spot, and large 77c@79c lb.

Marjoram Leaves—French have advanced sharply and now quoted at 35c@37c lb. spot, and German 29c@31c lb. Stocks on spot are scarce.

Musk Root—Quoted steady on spot at \$2.10@\$2.25 lb. as to seller and quantity.

Olibanum Gum—In active demand at 11c@11½c lb. spot for siftings, and 22c@23c lb. for No. 1 quality.

Poke Root—Higher at 10c@10½c lb. spot.

Saffron Flowers—Spanish quoted higher at \$41@\$42 lb. spot, and goods afloat are named at \$38@\$39 lb. American, 72c@75c lb.

Sassafras Bark—Select named higher at 29c@30c lb. spot, and ordinary at 15c@17c lb.

Senna Pods—Higher at 16c@18c lb. spot as to quantity owing to active demand.

Snake Root—Canadian lower at 38c@40c lb. spot, and stripped at 50c@65c lb.

Thyme—French has advanced to 11c@11½c spot, and Spanish 8c@8½c lb.

The quality of poppy seeds arriving in New York is not satisfactory, according to a member of the Netherlands Chamber of Commerce of New York, and the U. S. Department of Agriculture is holding imports for inspection.

Schieffelin & Co.'s building, machinery and stock at 570-580 East 133rd st., New York, damaged by fire Nov. 20, were insured for \$13,500.

Groover-Stewart Drug Co., Jacksonville, Fla., will erect an addition to the Miami warehouse at a cost of \$22,000.

URGES NARCOTIC RESTRICTION

The Merchants' Association of New York, has endorsed the effort to restrict the production and distribution of narcotics, which is being discussed at the Opium Conference in Geneva, Switzerland. A resolution was passed at the recent executive committee meeting approving the restrictions and expressing the hope that the nations represented at the Conference will agree upon a plan of joint action which will effect the purpose sought.

Opium production and exports and imports will be made a State monopoly in League of Nations countries, according to an agreement reached by the commission of the International Opium Conference, which is being held at Geneva, Switzerland. The second International Conference, which opened this week, will receive from the present conference, an estimate of how much opium is needed yearly in the Far East for smoking purposes. This estimate will enable the second conference to limit opium and other narcotics to the world's medical and scientific requirements.

At the meeting of International Opium Congress at Geneva, a resolution presented by John Campbell, an Englishman representing India, attempting to place the blame for present conditions on China, failed of approval. Japan was the principal defender of China and presented a counter resolution voicing the confidence of the Congress that China would loyally endeavor to stamp out the menace and also putting the powers on record as determined to live up to the principle of non-intervention in Chinese internal affairs. The withdrawal of Japan's resolution at the request of the president of the conference caused Campbell's resolution to fail, and no official opinion of China's conduct was expressed.

The National Wholesale Druggists' Association through a special committee on uniform accounting is appealing to its members for a fund to carry on the research work performed for the association by Harvard Bureau of Business Research. Contributions are asked for in accordance with the volume of business transacted by the various concerns as follows: Less than \$500,000, \$16; less than \$750,000, \$25; less than \$1,000,000, \$50; less than \$1,500,000, \$50; less than \$2,000,000, \$75; less than \$3,000,000, \$100; less than \$4,000,000, \$150; \$4,000,000, or over, \$200.

Colgate bowling team No. 1 took three games from the A. Klipstein & Co. team in the Wholesale Drug Trade Bowling Association at the Colgate alleys in Jersey City, Monday night, Nov. 17. Norman of the Colgate team was the high scorer with a single of 221 and a three-game total of 592. On the same night the E. R. Squibb & Sons team won two games out of three from the Drug Trade "Seniors". The third game brought out scores of 224 by Hoering and 221 by Forman of the "Seniors" and 214 by Zachman of the Squibb team.

B. Presman Co., New York, has been appointed exclusive agent by the Eastern and Russian Trading Co., London, for the sale of Russian wormseed in the United States. Stocks are carried in New York, and are guaranteed to contain not less than 2 per cent santonin.

The Department of Labor, Washington, D. C., estimates the wholesale prices of products in the Chemical and Drug Group of commodities at 132.2 in October, 1924, compared with an average of 130.6 in September, and 129. in October, 1923.

Benares opium to be offered at auction during 1925 will not total more than 3,000 chests, according to a statement issued by the Government of India.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1657, Aromatic Chemicals, page 1658

CEYLON CITRONELLA ADVANCES TO 75c LB.

Spot Goods Closely Held—Shipment Also High Owing to Advancing Exchange—Oil Lemon Again Higher—Oil Wormseed Lower—Oil Peppermint Firm—Oil Bergamot Higher—Oil Orange Advances—Oil Anise Higher—Sweet Oil Almond Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Almond, Sweet, 5c lb.	Oil Lemon, Italian, 3c lb.
Oil Anise, U.S.P., 1c lb.	Oil Limes, Distilled, 15c lb.
Oil Bergamot, Coppers, 20c lb.	Oil Orange, W. Ind., 25c lb.
Oil Cardamom, \$5.00 lb.	Italian, 20c lb.
Oil Citronella, Ceylon, 2c lb.	Oil Peppermint, Nat'l., 50c lb.
Oil Juniper Berries, 30c lb.	Redistilled, 25c lb.
	Oil Spearmint, 25c lb.
Declined	
Oil Carvol, \$1.50 lb.	Oil Cubebs, 25c lb.
Oil Cedar Leaf, 5c lb.	Oil Cumin, 50c lb.
Oil Coriander, 75c lb.	Oil Wormseed, 40c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.40	\$3.40	\$3.40	\$2.75	\$7.00	\$5.00
Oil Citronella, Ceylon	.73	.73	.73	.85	1.02	.60
Oil Cloves	2.10	2.10	1.90	2.25	3.70	1.40
Oil Lemon, Italian	.50	.50	.50	.70	1.70	2.00
Oil Peppermint, Nat.	8.00	8.00	5.75	3.05	9.00	2.25
Oil Sandalwood, E. I.	7.00	7.00	6.15	7.25	13.00	5.25
Oil Sassafras Artif.	.31	.35	.35	.38	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.47	1.00	.90
Vanillin	.49%	.49%	.49%	.48	.95	.20
Average	2.57	2.57	2.25	2.19	6.83	2.05

The bull movement, which has been apparent for two months, has evidently not run its course, and several importers still look for further advances in a number of the more important essential oils. What will happen after the turn of the year, has been one of the leading thoughts in the trade during the week. Consumers evidently need the goods, regardless of price. Importers have not been in the position to meet all the requirements owing to small stocks due to high replacement costs. The market at the present time seems to belong to the sellers. Even with good prices ruling in a number of items, importers are not inclined to buy over their actual needs. When an oil advances 50 to 100 per cent in a short time, they feel that, while the price may be warranted, the possibilities are large for a drop that will easily equal the advance. Primary markets are generally firm, although the domestic oils have shown more strength over a longer period than foreign products. Exporters of oils anise and cassia appear to be meeting with success in holding prices up. Sufficient material comes through to fill current needs only.

Essential Oils

Oil Almond—Sweet has advanced again and now quoted at 75c@80c lb. spot as to seller and quantity owing to higher import costs. Bitter is unchanged at \$3.15@3.25 lb. spot, and \$3.25@3.50 lb. for f.p.a. Demand for the latter two is small indeed.

Oil Angelica Root—Quiet at \$32@36 lb. spot.

Oil Anise—Owing to higher replacements, price has advanced to 58c@60c lb. spot for U. S. P. material, and 55c@57c lb. for technical. Stocks have actually been reduced on spot, and consequently to several dealers. Supplies

have been heavy in New York for so long that the trade thought it was impossible to move all the goods. Last week saw 100 cases entered at New York.

Oil Bay—Steady at \$2.20@2.35 lb. spot as to quantity.

Oil Bergamot—Coppers have advanced to \$3.60@3.80 lb. spot as to seller and quantity. Sales were made the first of the week at \$3.50 lb., but this seller later moved his price up to \$3.60 lb. The primary market has been waiting for an advance on spot for some time, and now that the rise occurred they may advance shipment prices to the fullest extent.

Oil Bois de Rose—Supplies available at \$4.75@5.50 lb. spot as to quality. Offers for shipment are on the increase.

Oil Camphor—Japanese, white, in drums, is unchanged at 13½c@14c lb. spot, and 14c@14½c lb. for cases.

Oil Caraway—Market is easy, although better than \$3.15@3.25 lb. spot is not being quoted.

Oil Cardamom—Has advanced sharply owing to higher seed prices. Quoted at \$34@36 lb. spot as to quantity.

Oil Carvol—Owing to easier prices for raw material, the spot quotations have declined to \$9.50@10.50 lb. as to quantity.

Oil Cassia—Exporters in Hongkong appear to let out just enough goods to keep a firm spot market. Practically all of the material that has been coming into New York during the past three months, has gone directly into consumption. Redistilled named firm at \$2.75@2.90 lb. spot. Imports last week at New York were 20 drums.

Oil Cedar Leaf—Easier at 85c@95c lb. spot. Demand has eased off.

Oil Cedar Wood—Supplies still scarce at 77c@90c lb. spot as to seller. Several dealers cannot see any easier market for this item until the turn of the year.

Oil Citronella—Ceylon has advanced to 75c@82c lb. spot in drums, and 78c@85c lb. for tins owing to a firm market in India as well as strong spot position. Supplies are not scarce, but they are closely held. Imports at New York last week were 52 drums. Java is again practically off the spot market, and the asking price is \$1.40@1.50 lb. in drums. Shipment is quoted at \$1.25@1.30 lb. c.i.f. New York as to position.

Oil Cloves—Market is firm at \$2.10@2.15 lb. spot in cans, and \$2.20@2.25 lb. for bottles.

Oil Coriander—Easier at \$10.75@11.00 lb. spot as to quality and seller. Supplies are tending to accumulate in spot market.

Oil Cubebs—Somewhat easier at \$4.50@4.75 lb. spot as to quantity.

Oil Cumin—Has eased off under selling pressure to \$11.00@11.50 lb. spot as to seller.

Oil Erigeron—Firm and scarce at \$3.50@4.00 lb. spot. Sales have been made in the country at \$3.00 lb.

Oil Eucalyptus—Drums firm at 57c@59c lb. spot, and cases 59c@61c lb. with replacement costs fully equal to these prices.

Oil Geranium—Bourbon is easy at \$7.00@8.50 lb. spot, and Algerian is named at \$7.25@8.50 lb.

Oil Juniper Berries—Have advanced sharply at \$1.55@

\$1.60 lb. spot owing to tendency to scarcity of raw material.

Oil Lavender—Spike firm at \$1.00@\$1.25 lb. spot for good quality with shipment named at \$3.00 per kilo, or about \$1.40 lb. c.i.f. New York.

Oil Lemon—Italian has advanced to 93c@\$1.10 lb. spot as to seller. Spot stocks are becoming scarce, and some speculative buying has been reported in Italy. American, 75c@80c lb.

Oil Limes—Distilled named higher at \$1.20@\$1.35 lb. spot, and expressed \$2.25@\$2.35 lb.

Oil Orange—Italian has advanced to \$2.95@\$3.10 lb. spot owing to active demand and higher import costs, which range from \$2.18 up to \$2.25 lb. c.i.f. New York. West Indian is also higher at \$2.75@\$2.90 lb. spot. American is steady at \$2.75@\$2.80 lb.

Oil Peppermint—Natural has advanced again to \$8.50 @\$8.75 lb. spot, and redistilled \$9.00@\$9.50 lb. with possibilities of much higher prices before the trade sees any lower figures. Export demand has been active, and some good sized business has been transacted on spot among dealers. In small way the current quotations can be shaded due to sellers willing to take only a small profit as the oil probably cost less than \$6.00 lb.

Oil Sandalwood—Supplies available at \$6.75@\$7.00 lb. spot as to quantity and seller. Market is firm with upward tendencies.

Oil Spearmint—Higher at \$4.25@\$4.50 lb. spot.

Oil Wormseed—Is one of the few weak items on the list. Quoted lower at \$3.60@\$3.90 lb. spot as to seller.

Balsams

Peru—Firm and closely held at \$1.95@\$2.05 lb. spot.

Tolu—While the market is generally quoted at \$1.65@\$1.80 lb. spot, an outside lot is named at \$1.50 lb. Shipment from South America is named around \$1.60 lb. c.i.f. New York.

Vanilla Beans

Bourbon—Market is firm at \$9.00@\$9.50 lb. spot.

Mexican—Whole are named at \$11.00@\$12.00 lb. spot, and cuts at \$9.00@\$9.50 lb. A few of the cuts from the new crop have been received on spot.

Aromatic Chemicals

Coumarin—Makers report a steady demand at unchanged prices. Quoted at \$3.25@\$3.45 lb. spot, and resellers \$3.25@\$3.30 lb.

Methyl Salicylate—In fair demand at 45c@47c lb. spot by first hands, and 44c@45c lb. from resale quarters.

Vanillin—Goods are moving at 49½c@51c oz. by makers, and 47c oz. from resellers.

Ungerer & Co., New York, essential oil importers, were upheld in regard to the proper tariff classification of resin aromes by Frank N. Langlois, of United Drug Co., Boston, F. J. M. Miles, of Cheramy, Inc., C. L. Black, consulting chemist, and R. B. Stoddard, at a hearing held on Nov. 5-6 at the offices of the Board of U. S. General Appraisers. A previous decision in favor of Ungerer & Co. was rendered last July, but owing to technicalities the Government refused to accept this decision, and re-opened the case.

Carl Weeks, of Armand Co., Des Moines, Iowa, visited New York last week. Robert French, perfume chemist, for the same company accompanied Mr. Weeks.

Dr. E. G. Thomssen, of J. R. Watkins Co., Winona, Minn., was a recent New York visitor.

TELLS OF LAVENDER SCARCITY

Lavender is very scarce in France, and negotiations are in progress for the last few lots which remain on the market, and which were turned down at the beginning of the harvest, according to the "American Perfumer & Essential Oil Record," which says: "The demands of the consumers have been so great that everything has sold at very high prices. In a month from now there will not remain a single kilogram of this oil except in second hands. Buyers who need to stock up should not hesitate to buy at present market rates, because in a short time from now, they will pay even more and will have to be satisfied with extremely poor qualities, since there will be nothing else left on the market."

"The condition of the market for spike oils is just as precarious as is that for lavender. Soap manufacturers are ordering this oil from all sides. Since the distillers have been paralyzed by the cost of manual labor, there is no stock to be had anywhere, and consequently we will see very much higher prices than those which are quoted at present."

"A rise in the price of rosemary must be expected in the near future. There is no other reasonably priced oil left to the soap trade for cheap soaps. Moreover the incoming orders are very large. As the stocks are not enormous, a considerable increase over the former market price is to be expected. The consumer will certainly pay more if he waits a few weeks."

"All the thyme oils are in demand, but especially those which are rich in thymol to be used in the manufacture of thymol. No drop in the price of this oil will be possible for some time."

Lemon oil market is being driven up owing to speculation, but as the demand from abroad is only limited exporters as a whole are offering no encouragement, according to Joseph H. Bowne, who has received a report from Fratelli Jung, of Palermo, which says: "Sellers, nonetheless, are obstinately opposing any attempt to reduce prices and business is at present very difficult. Orange oil has been in fair inquiry of late from consuming countries and as it is expected that there will be an extensive demand for oranges in cases from Germany, the market has taken a firm aspect and prices appear to have a strong upward tendency. Bergamot oil remains practically unchanged but with a firmer undertone."

The Chicago Perfumery, Soap & Extract Association will hold its annual election on Wednesday, Dec. 3. The nominating committee has submitted the following names: President, D. M. Clark, of Franco-American Hygienic Co.; vice-president, Louis J. Freundt, of American Can Co.; secretary-treasurer, Walter L. Filmer, of Monsanto Chemical Works. Mr. Filmer is now entering upon his fourth term as secretary-treasurer.

G. C. Meht, of Meht & Daniel Corp., Hamburg, Germany, essential oils and crude drugs, arrived in New York on the steamship Cleveland for a two months' stay. While in this country he will make his headquarters at the New York office of the company.

Fritzsche Brothers of Canada, Ltd., moved their Canadian branch at Toronto, on Nov. 20, to larger quarters at 93-95 Church st., Toronto. A large stock of oils and preparations will be carried at the new location for convenience of the company's Canadian trade.

L. H. Carlson, Detroit representative of Ungerer & Co., New York, was in New York the first part of last week.

Drug Consuming Industries

BEGIN ATTACK ON CRAMTON BILL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—The National Association of Retail Druggists is sending a brief to senators, in connection with the Cramton bill. Senators are being asked to have the bill referred back to the Judiciary Committee:

"Enactment of the proposed legislation," says the brief, "would remove the restraining hand of the Commissioner of Internal Revenue from the Enforcement Unit and would have the legitimate alcohol using trades completely at the mercy of a group whose acts indicate that every holder of a federal permit to handle non-beverage spirits is regarded with open suspicion as a potential bootlegger."

WOULD ASSESS COSTS ON WARNER CO.


Eli Lilly & Co., Indianapolis, have filed a motion in the United States Supreme Court at Washington, D. C., to recall the mandate of the court which assessed the costs and attorney's fee, amounting to \$2,330, against Lilly & Co., and to retax the costs against Wm. R. Warner & Co., New York. The attorney for Lilly & Co. states that while the Supreme Court's decision in the case of Warner against Lilly was a technical reversal of the lower court, in reality it was only a modification of the relief given to Lilly & Co. by the lower

court. The Warner company claims that the rule of the court allows costs to petitioners before it in cases where lower courts are reversed. In this instance, Warner & Co. were the petitioners.

Dynamite glycerin has been sold in the Middle West during the past ten days at 17¼¢ to 17½¢ a pound, according to Parsons & Petit, New York, who say: "Today the minimum asking price is 17½¢ a pound, and while some sellers may still be willing to sell at a lower price, the situation has been relieved by the sales mentioned, and owners are firmer in their views. Imports during November are already over 1,250,000 pounds, but it is thought that little has been bought abroad for American account during the last month or two, so that a great deal of the old purchases are yet to come, and prices in Europe are much above ours."

With the election of C. P. Carmichael, of Monroe, Ga., as president to succeed M. D. Hodges, of Marietta, the Rexall Druggists of Georgia last week closed their convention at Atlanta. Other officers elected were William W. Fincher, of Canton, first vice-president, succeeding Jabe Stumps, of Thomaston; George M. Wheat, of Columbus, second vice-president, succeeding L. C. Waldrop, of Tallapoosa, L. M. Branch, of Ludowici; third vice-president, T. E. Jennings, of Cordele, Ga., re-elected secretary and treasurer.

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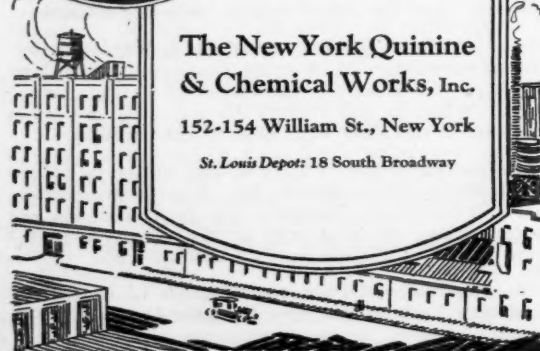
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Books of Trade Interest

VOLUMETRIC ANALYSIS. By Francis Sutton, F.I.C., F.C.S. Eleventh edition. With additions by W. Lincoln Sutton and Alfred E. Johnson. 624 pages, 8vo. P. Blakiston's Son & Co., Philadelphia. 1924.

The whole work has been carefully revised throughout, and many additions and replacements made. In Parts I and II the sections on the burette, pipette, and graduated flask have been entirely rewritten, and full details given of the methods of standardisation employed at the National Physical Laboratory, with the "limits of error" allowed. The section on indicators has been entirely re-written, with many additions. The most recent methods for the technical analysis of ammoniacal liquors have been included.

STARCHES. By Walter A. Nivling, consulting chemist. 82 pages, 8vo. Barr-Erhardt Press, New York. 1924.

This book treats only of the physical properties of solutions of the natural or modified starches, as related to testing for fluidity and as related to their use in sizing.

CHEMISTRY IN INDUSTRY. By H. E. Howe. 372 pages, 8vo. The Chemical Foundation, New York. 1924.

The volume is in reality a symposium to which twenty-one specialists in as many different industries have contributed chapters dealing with what chemistry has accomplished in their field of work and noting several unsolved problems to indicate a few of the many opportunities that await the resourceful, well-grounded

chemist. It is hoped that the industries selected may be considered typical, and if this book achieves its purpose a companion volume may appear at a later date.

CLIENTS OF MEMBERS OF THE AMERICAN ASSOCIATION OF ADVERTISING AGENCIES. 222 pages, 8vo. The Erickson Co., New York. 1924.

This edition has been prepared from data for the year 1924, and includes the names of advertisers who are clients of members, along with products and trade names.

QUANTITATIVE ORGANIC MICROANALYSIS. By Fritz Pregl, Ph.D., Principal of the Medico-Chemical Institute of the University of Graz. Translated into English by Ernest Fyleman. With 42 illustrations. 186 pages, 8vo. Second Edition. P. Blakiston's Son Co., Philadelphia. 1924.


The economics achievable by microanalytical methods, both in the required quantities of material and gas, and also in time and space, and the readiness with which analyses can be duplicated, have long been recognized.

A HISTORY OF BLEACHING. By S. H. Higgins, M.Sc. 164 pages, 8vo. With Nine Illustrations. Longmans, Green & Co., London. 1924.

This outline of the development of the bleaching industry was conceived when the author was training apprentices in the bleaching trade.

LABORATORY MANUAL OF CHEMISTRY. By George Howard Bruce, of Columbia University. 120 pages, 8vo. World Book Co., Yonkers-on-Hudson, New York. 1934.

The experiments have been tested in actual laboratory classes and are published only after discussion with a number of well informed people. Nothing is asked beyond the capabilities of the average person. All the experiments work, even for those who have not the gift of ease of manipulation.



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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs**, **Essential Oils**, including cleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—	.833 Imperial Gallon
1 American Gallon	—	3.79 Liters
1 Liter	—	.264 American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	—	.454 Kilogram
1 Kilogram	—	2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls.	.26	.28
100 lb kgs.	.27	.30
USP 200 lb bbls.	.36	.38
Second Hands	.35	.36
Acetic Anhydride		
95-99%, 107 lb cys.	.40	
90-95%, 100 lb cys.	.42	
C.F. 100 lb cys.	.40	
Acetone, CP 700 lb drs. c/l wis.	.15	.17
700 lb drs. 1c/l wis.	.15 1/2	.18
850 lb drs. 1c/l wis.	.15 1/2	.18
Second Hands, spot	.15 1/2	.17
Acetone, 100 gal. drums.	.35	
Acetone Oils, light, drs. wis.	1.40	1.45
Heavy, drs. wis.	1.40	1.45
Amphenetidin, 150 lb bbls.	1.85	1.90
Acetyl Chloride, 100 lb cys.	.40	.41
ACID, 1, 2, 4, 350 lb bbls.	.40	1.30
Acetic, 33%, 400 lb bbls. c/l		
wis.	3.12	
25%, 1c/l wis.	100 lb	3.37
54%, c/l wis.	100 lb	3.25
66%, 1c/l wis.	100 lb	3.10
78%, bbls. c/l wis.	100 lb	7.20
70%, 1c/l wis.	100 lb	7.45
80% coml. bbls. c/l wis.	100 lb	8.10
80% coml. 1c/l wis.	100 lb	8.44
80% pure bbls. c/l wis.	100 lb	9.90
80% pure 1c/l wis.	100 lb	10.23
Glacial, bbls. c/l wis.	100 lb	11.01
Glacial, 1c/l wis.	100 lb	11.28
Glacial USP cys. wis.	100 lb	11.78
Acetylaldehyde, 220 lb bbls.	.75	.85
Second Hands	.73 1/2	.84
Aluminate, tech. drs.		
98-100%, 100 lb drs.	.75	
Benzoic, tech. 100 lb bbls.	.75	
Tech. ton lots bbls.	.70	
USP, 100 lb bbls.	.75	.85
Second Hands	.70	.75
Boric, cys. powd. 250 lb bbls.	.10	.09 1/2
Kegs, 100 lb	.10	.10 1/2
Brown's 250 lb bbls.	.10	1.35
Butyric, 60% pure 5 lb bot.	.40	.50
C.F. 10 lb bot.	1.25	1.50
Camphoric, USP VIII 1 lb bot.	5.90	6.00
Carbolic, USP cys. see also Phenol		
112 lb time	.20	.27
35 lb time	.25	.29
5 lb time or bot.	.30	.32
1 lb bot.	.35	.36

Acid Carbolle—(continued)		
Liquid USP, 1 lb bot.	.34	.35
Crude, 25% 50 gal. bbls.	.32	.35
10%, 50 gal. bbls.	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetate		
mono 100 lb bbls. wis.	.25	
Di. 150 lb cys. wis.	1.00	
Tri. 425 lb bbls. wis.	2.50	
Chlorosulfonic, 1500 lb drs.		
wis.	.15	.16
Chromic, USP 200 lb drums.	.40	
85% Pure, 200 lb drums.	.35	
Chromotropic, 300 lb bbls.	1.35	
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans	3.93	
CITRIC, USP cys. 250 lb bbls.	.46	
Powd., USP, 200 lb bbls.	.47	
Imported, cys. 112 lb kgs.	.46 1/2	
Single kegs	.47	
Cleves, 250 lb bbls.	1.00	1.10
Crystic, 95% dark dr. NY.	.63	.65
97-99% pale, dr. NY.	.65	.75
Crude, spot, drums	.55	.60
Diethylbarbituric, Dom., 35 lb lots.		
1 lb bot.	8.00	10.00
Imp. 10 lb lots	4.00	4.50
Formic 85% tech. 140 lb cys.	.11	.11 1/2
90%, 80 lb cys. incl.	.11 1/2	.12
Gallie, USP, 150 lb bbls.	.70	
Gamma, 225 lb bbls. wis.	1.40	1.50
Glycerophosphoric, 25% 1 lb b.	1.85	1.95
H 225 lb bbls. wis.	.72	.75
Hydrolic, 10% USP 5 lb bot.	.75	
Hydrobromic, 48% coml. 155 lb		
cys. wis.	.35	.40
48% coml. 10 cys. wis.	.40	
40% USP 155 lb cys. wis.	.45	.46
10% USP 100 lb cys. wis.	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb cys.	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wis.	.07	
30% bbls. c/l wis.	.06	
30% 100 lb cys. wis.	.07	
48% single 100 lb cys. wis.	.11	
48% 10 cys. wis.	.10	
52% 100 lb cys. wis.	.14	
52% 10 cys. wis.	.11	

Acid, hydrofluoric—(continued)		
60% 100 lb cys. wis.	.14	
60% 300 lb dr. wis.	.13	
White Acid, 100 lb cys. wis.	.25	
White Acid, 10 cys. wis.	.25	
Hydrofluosulfic, 35% 450 lb bbls.		
wis.	.12	
Hypophosphorous, USP 30% 5		
gal. demis.	.85	
USP, 10% 5 gal. demis.	.30	
LACTIC, 22% dark 500 lb bbls.	.05	.05 1/2
22% light bbls.	.06	.06 1/2
44% dark bbls.	.10 1/2	.11
44% light bbls.	.13 1/2	.13
68% bbls. dark, bbls.	.16 1/2	.17
60% light, bbls.	.26	.26 1/2
USP IX 100 lb cys.	.75	
USP VIII 100 lb cys.	.70	
Laurent's, 250 lb bbls.	.90	
Metanille, 250 lb bbls.	.60	.65
Mixed, sulfuric-nitric		
Drums, wis.	N Unit	.07 1/2
Drums, wis.	8 Unit	.01
Tank cars, wis.	N Unit	.06 1/2
Tank cars, wis.	8 Unit	.009
Molybdic, 85% pure 100 lb kgs.	1.25	1.60
100% C.P. 100 lb kgs.	2.00	2.10
Monosulfonic F, Delta, 50 lb		
tins	2.10	
MURIATIC, 20° cys. 1c/l		
wis.	100 lb	1.60
Cys. c/l wis.	100 lb	1.20
Tank cars, wis.	100 lb	1.00
18°, 120 lb cys.		
c/l wis.	100 lb	1.00
Tank cars, wis.	net ton	
22°, 120 lb cys.		
c/l wis.	100 lb	1.75
Iron, free 20° cys.		
c/l wis.	100 lb	
Tank cars, wis.	net ton	
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls.	.82	
Refined, single bbls.	.65	
Neville & Wintner's, 250 lb		
bbls.	1.10	1.35

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Chemicals

ACID, NITRIC, 36° 135D			ACID, Sulfuric			ALCOHOL—(continued)		
le/l chys. wks.....100D	4.75	5.25	le/l wks.....100D	1.50	1.75	Isopropyl. crude 50 gal. drs. gal.	4.50	
Chys. e/l wks.....100D	4.50	4.75	Drums, e/l wks.....100D	1.35	1.50	Refined, 90% 50 gal. drs. gal.	6.90	6.95
38° le/l chys. wks.....100D	5.25	5.75	Tank cars, wks.....net ton	17.00	18.00	Ref'd, 99% drs.....gal	8.75	8.85
Chys., e/l wks.....100D	5.00	5.35	Contract cars, wks.....ton	...	...	Methyl, see Alcohol, Wood		
40° le/l chys. wks.....100D	5.75	6.00	Oleum, 40% drs le/l wks.net ton	...	40.00	Propyl. nml. crd. 50 gal. drms.gal	...	4.40
Chys., e/l wks.....100D	5.50	5.75	Oleum, 60% drs., le/l wks. net	...	...	Refined, 16D cans.....D	...	.75
42° le/l chys., wks.....100D	6.25	6.75		60.00	70.00	Denatured		
Chys., e/l wks.....100D	6.00	6.25	Sulfurous, USP 6% 100D chys. D	.05	.06	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks.....100D	.13	.16	4% 100D chys.....D	.04	.05	50 gal. bbl. incl.....gal	.65½	.67½
Oxalic, 300D bbls., wks.....D	.09½	.09½	USP, 5 gal. demis.....D	.06	.08	50 gal. drums, extra.....gal	.58½	.60½
Bbls., NY.....D	.09½	.10	Tannic, tech. 300D bbls.....D	.30	.40	No. 1 Special Denat. 190 Proof		
Kegs, 100D NY.....D	.10½	.11	USP, powd. 200D bbls.....D	.75	.80	50 gal. bbl. incl.....gal	.64½	.66½
Imp., 560D casks.....D	...	.09½	USP, fluffy, 50D bbls.....D	.75	.80	50 gal. drums, extra.....gal	.57½	.59½
Phenylchloromine, domestic.....D	8.50	9.00	Tartaric, USP crst 300D bbls. D	...	.29	No. 5 Complete Denat. 188 Proof		
Imported, 5 Ds.....D	7.00	7.25	USP, powd. 300D bbls. D	...	.29	50 gal. bbls. incl.....gal	.63½	.65½
Phosphoric, 50% tech. 100D			Imp. USP, 240D bbls.....D	.26½	.27	50 gal. drums, extra.....gal	.56½	.58½
chys.....D	.09	.10	Pow., 240D bbls.....D	.26½	.27	No. 6 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70D.			Tobias, 250D bbls.....D	.90	.95	50 gal. bbls. incl.....gal	.62½	.64½
demis.....D	.16	.17	Tungstic, 100D kgs.....D	...	1.00	50 gal. drums, extra.....gal	.55½	.57½
Imported.....D	...	...	Valeric, C.F., 10D bot.....D	2.50	2.75	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Phthalic, see Phthalic Anhydride			Acetiline Alk. crst 1 oz. vis. oz	...	30.00	Aloin, USP, 100D cases.....D	.88	.90
Picramic, 300D bbls.....D	...	.65	Amorphous, 1 oz. vis.....oz	...	20.00	Alpha-Naphthol crude 300D bbls. D	...	.65
Picric, 450D bbls.....D	...	.50	Adeps Lanae, hydrous 350D bbls. D	.15	.21	Refined.....D	...	.50
Bbls. car lots wks.....D	.20	.25	Anhydrous, 350D bbls.....D	.18	.23	Alpha-Naphthylamine, 350D bbls. D	.35	.37
Pyrogallic, crys. 5D cans.....D	1.25	1.30	Albumen, Egg, edible.....D	...	1.35	Ton lots, bbls. wks.....D	...	.35
Resublimed, 5D cans.....D	1.55	1.65	Blood.....D	.45	.50			
Tech. powd., 200D bbls.....D	...	.85	Technical, see Dyes Sundries	.60	.70			
Salicylic, tech., 125D bbls.....D	.33	.34	ALCOHOL, USP 190 pt. 50 gal.	4.92	5.01			
USP, 100D bbls.....D	...	.35	bbls.....gal	...	...	
Second Hands.....D	.32	.33	Second Hands, bbls, USP 190	...	...	
Sulfanilic, 250D bbls.....D	.16	.20	pt.....gal	...	...	
SULFURIC, 66° 180D chys.			Export, USP, 190 pt.....gal	.55	.85			
le/l wks.....100D	1.50	1.85	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
Chys., e/l wks.....100D	...	1.35	WOOD, see Methanol					
1800D Drums, le/l			Alcohols also in 50 gal.					
wks.....100D	...	1.25	drums extra and returnable.					
Drums, e/l wks.....100D	...	1.10	Amyl, see Oil Fuel					
Tank cars, wks.....net ton	...	14.00	Butyl, 50 gal. drums, wks. D	...	.32			
60° 1500D Drums			Tank cars, wks.....D	...	.30			
le/l wks.....100D	.75	1.00	Isobutyl, crude 50 gal. drums.gal	...	...	
Drums, e/l wks.....100D	.65	.75	Refined, 10 D can.....D	1.10	1.20			
Tank cars, wks.....net ton	9.00	9.50						
C. P. 175D chys.....100D	.08	.09						

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Hydrochloric Acid	Copperas Nitrate Iron	Sodium Silicate
Mixed Acids	Aqua Ammonia	Sodium Phosphate

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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA, anhyd. 100 lb c/1...			AMMONIUM—(Continued)		
Wks.	100 lb	3.15 : 3.75	Water, 26° 800 lb drs. wks. ....	...	.06%	Persulfate, 112 lb cases. ....	.35	.40
Imp., 500 lb cases.	100 lb	...	Drs. c/1 wks. ....	...	.06%	Phosphate, dibasic 200 lb bbls. ....	...	.38
Ground, 400 lb bbls. wks.	100 lb	3.30 : 4.00	C.P., c/1 wks. ....	...	.14	Tech., powd. 325 lb bbls. ....	...	.18
Powd. 380 lb bbls. wks.	100 lb	3.45 : 4.25	Imp., 800 lb drs. incl. spot. ....	...	.06%	Phosphate, mono, 325 lb bbls. ....	...	.12%
Chrome 500 lb cks. wks.	100 lb	5.50 : 6.00	26° 100 lb chys. 1c/1 wks. ....	...	.07%	Salicylate, USP 100 lb kegs. ....	.75	.80
Potash, lump 400 lb bbls.			Chys. c/1 wks. ....	...	.07%	Sulfate, bulk, c/1 wks.	100 lb	2.65 : 2.70
Wks.	100 lb	3.60 : 3.80	20° 800 lb drs. 1c/1 wks. ....	...	.05%	200 lb single bgs. c/1 wks.	100 lb	...
Bls. c/1 wks.	100 lb	...	Chys. 1c/1 wks. ....	...	.06%	200 lb double bgs., f.a.s.	100 lb	...
Imp. 650 lb cases s.p.	100 lb	2.75 : 3.00	18° 800 lb drs. 1c/1 wks. ....	...	.04%	Sulfocyanide, tech., 100 lb kgs. ....	.50	.60
Ground 400 lb bbls. wks.	100 lb	3.25 : 3.75	Chys., 1c/1 wks. ....	...	.05%	CP, 25 lb jars. ....	.60	.70
Imp. 650 lb cases.	100 lb	2.50 : 2.75	16° 800 lb drs. 1c/1 wks. ....	...	.04%	Amyl Acetate, tech. 50 gal. drs.	gal	3.00 : 3.15
Powd., 380 lb bbls. wks.	100 lb	3.50 : 4.25	Chys., 1c/1 wks. ....	...	.05%	Refined, 50 gal. drums.	gal	3.60 : 3.75
Chrome, 500 lb cks wks.	100 lb	5.50 : 6.00	Ammonium Acetate, 100 lb kegs. ....	...	.37	Alcohol, see Fuel Oil		
Soda grd. 400 lb bbls. wks.	100 lb	...	Benzonate, USP, 1 lb bot. ....	...	.90	ANILINE OIL, 900 lb drs. ....	.16	.17
Bbls. c/1 wks.	100 lb	...	Bifluoride, 300 lb bbls. ....	...	.22	Andline Salt, 200 lb bbls. ....	.20	.22
Aluminum, metal, c/1 NY.	100 lb	27.00 : 28.00	100 lb kegs. ....	...	.23	Anthracene, 80-85%, 600 lb cases		
Chloride, anhyd. 275 lb drs. ....	...	.30 : .32	Bromide, 50 lb boxes. ....	...	.53	Wks. ....	.80	.85
Crystals, 375 lb bbls. ....	...	.06%	Imported, 112 lb boxes. ....	...	.48	28-30%, Imp. ....	.02	.02%
30% sol. 120 lb chys. ....	...	.03%	Carb., tech. 560 lb cases. ....	...	.08%	Anthraquinone, sub. 125 lb bbls.	1.00	1.15
Hydrate 96% light 90 lb bbls. ....	...	.17 : .18	Powd., tech. 385 lb bbls. ....	...	.09	Antimony metal, slabs ton lots.	100 lb	.14%
Heavy 62-64%, 220 lb bgs. ....	...	.06 : .06%	USP, lump, 100 lb kegs. ....	...	.12%	Needle Powd., 100 lb cases. ....	...	.09%
400 lb bbls. wks. ....	...	.06%	Powd., 100 lb kegs. ....	...	.11%	ANTIMONY CHLORIDE, anhyd 1000 lb		
SULFATE, Iron-free bags c/1			Chloride, Domestic			drs. ....	...	.35
Wks.	100 lb	2.25 : 2.35	White, 250 lb bbls., c/1. ....	...	.07%	50 lb crocks. ....	...	.48
Imported, spot.	100 lb	2.00 : 2.25	250 lb bbls., 1c/1 wks. ....	...	.07%	Sol'n, 130 lb carboys 33°. ....	...	.06
Comm'l., ¾% iron. bgs. c/1			Imp. wh. 250 lb cases spot. ....	...	.06%	Oxide, 500 lb bbls. ....	...	.11
Wks.	East 100 lb	...	Gray 250 lb lbs. wks. ....	...	.08	Salt, dom. 500 lb bbls. ....	...	.25
Cont. bgs. c/1 wks. E.	100 lb	1.30 : 1.35	Bbls., c/1 wks. ....	...	.07%	Imp., NY. ....	...	.19
Bags, c/1 wks. W.	100 lb	...	Imp. gray 250 lb cases. ....	...	.07%	Sulfuret, golden 500 lb bbls. ....	...	.21
Bbls., c/1 wks. East.	100 lb	1.50	Lump, 500 lb cases spot. ....	...	.11%	336 lb kegs. ....	...	.19
Bulk, c/1 cont. wks. E.	100 lb	...	Ichthyolate, as to brand.	4.85	5.00	Crimson, 500 lb bbls. ....	...	.38
Amidol, (see Diaminophenol)			Iodide, USP, 25 lb jars. ....	...	5.20	336 lb kegs. ....	...	.36
Amidopyrine, Imp. 10 lb boxes.	4.35	4.50	Lactate, 500 lb bbls. ....	.15	.16	Red, 500 lb bbls. ....	...	.45
Domestic, 10 lb boxes. ....	...	4.60	Nitrate, tech. crys. 225 lb bbls. ....	...	...	336 lb kegs. ....	...	.42
Aminobenzenes, 110 lb kgs. ....	...	1.15	Refined Crystals, bbls. ....	.21	.23	Tartrolactate, 500 lb bbls. ....	...	.45
			CP gran. 100 lb kegs. ....	.35	.37	Antipyrine, USP, 100 lb cases.	1.90	2.00
			Oxalate, pure, 100 lb kegs. ....	.40	.42	Apomorphine Hydrochloride, ¼ oz. vials. ....	...	22.75
						Arecoline Hydrobromide, 1 oz. vial.	6.25	7.82
						Argols, red powd., 350 lb bbls.06	.07

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Chemicals

Aspic, metal, 220 lb kegs..... lb	45		Benzidine Base, dry 250 lb bbls. lb	.78	.80	BISMUTH—(Continued)		
Red, 224 lb kegs cases..... lb	.15	.15%	Benzidine Sulfate, paste 350 lb bbls..... lb	.70	.72	Sublimate, 5 lb lots..... lb	4.15	
White, 220 lb cases to 550 lb bbls, NY..... lb	.06%	.06%	Benzol, see Benzene			Subnitrate, USP, 25 lb jars..... lb	2.35	
Asbestos..... ton	16.00	18.00	Benzonaphthol, 5 lb boxes..... lb	3.50	3.60	Second Hands..... lb	2.35	
Aspirin, see Acid acetylsalicylic			Benzoyl Chloride, 500 lb drs..... lb		1.00	Cones, 1 lb bot..... lb	3.35	
Atropine, alk. USP, 1 oz. vial..... oz	5.00	5.57	Benzyl Acetate, 100 lb chys..... lb	1.55	1.75	Subsalicylate, USP, 175 lb bbls..... lb	2.60	
Sulfate, 5 oz. cans..... oz		2.75	Alcohol, 5 lb bot..... lb	1.45	1.55	Tannate, 1 lb bot..... lb	2.20	
Single ounce..... oz		2.92	Benzoate, 5 lb bot..... lb	1.60	1.75	above on basis 25 lb lots.		
BARIUM BINGXIDE, see Barium chloride			Medicinal FFC..... lb	1.75	2.00	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Chloride, 95% tech. 925 lb drs. lb		.25	Elane Fixe, dry 400 lb bbls. wks. ton	75.00	86.00
wks..... ton	65.00	70.00	100 lb chys..... lb	.25	.30	Imported, bbls..... ton	70.00	72.00
Precip., 200 lb bgs, wks..... ton	64.00	66.00	Red'stil. 160 lb chys..... lb	.40	.45	Paste, 650 lb bbls..... ton	50.00	55.00
Imports, bbls, spot..... ton	54.00	55.00	Formate, 1 lb bot..... lb	3.00	3.25	BLEACHING POWDER, 700 lb drs.		
Chloride, 800 lb bbls, wks. ton	75.00	80.00	Berberine Hydrochloride, 1 lb bot..... lb		22.50	c/l wks..... 100 lb		2.00
200 lb bgs, wks..... ton	73.50	78.50	Sulfate, acid or neut. 1 lb bot..... lb		22.00	Drums 1c/l ex-warehouse..... 100 lb	2.35	2.60
Import, bbls, spot..... ton	63.00	65.00	BETA-NAPHTHOL, 350 lb bbls. wks. lb	.24	.25	Contract, c/l wks..... 100 lb	1.90	2.15
Dioxide, 88% 690 lb drs..... lb	.17	.18	Carlots, wks..... lb		.23	Drums, 1c/l wks..... 100 lb	2.15	2.40
Import, 86-88% 400 lb drs. lb		.05	Sublimed..... lb	.55	.60	Imported, spot..... 100 lb		
Hydrate, 500 lb bbls..... lb		.05	Beta-Naphthylamine, tech. 200 lb bbls..... lb	.65	.67	Blue Ointment, see Mercury		
Iodide, 5 lb bot..... lb		5.15	Sublimed, 200 lb bbls..... lb		1.35	Moss, see Mercury		
Nitrate, 700 lb cases..... lb		.10	Bichloride Mercury, see Mercury Bichloride			Bone Ash, 100 lb kegs..... lb	.06	.07
Import cases..... lb		.07%	BISMUTH metal, 150 lb cases..... lb		1.61	Black, 200 lb bbls..... lb		.06
Sulfocyanide 400 lb bbls..... lb		.35	Second Hands..... lb		1.61	Borax, USP, crys. 400 lb bbls..... lb	.05	.05%
Sulfates, floated 350 lb bbls wks. ton	23.00	26.00	Ammon. Citrate, USP 5 lb bxs. lb		5.30	Powdered, USP, 300 lb bbls..... lb	.05	.05%
Imported..... ton	29.00	33.00	Ectanaphtholate, 5 lb bxs..... lb		2.85	Kegs USP, 100-150 lb..... lb	.05%	.05%
Say Rum, Porto Rican, genuine			Citrate, USP 5 lb bxs..... lb		2.55	Bordeaux Mixture, 16% pd. bbls. lb	.11%	.18
Medicated salicyl. acid or tartar emetic			Nitrate, 25 lb jars..... lb		1.65	Paste, bbls..... lb	.08	.10
45 gal. bbls..... gal	1.05	1.15	Oxychloride, 25 lb bxs..... lb		3.05	Borzeol. 1 lb bot..... lb		3.50
Medicated quinine sulf. 45 gal. bbls..... gal	1.05	1.15	Phenolsulfonate, 5 lb cans..... lb		2.70	Bromide, see potass. bromide, etc.		
Domestic synthetic, 50 gal. bbls..... gal	.90	1.00	Salicylate, 25 lb bxs..... lb		1.75	Bromine, bot in 60 lb cs. wks. lb		.39
St. Thomas			Subcarbonate, USP, 25 lb bxs..... lb		2.85	Bromobenzene, 600 lb drums..... lb	.40	.42
Medicated salicyl. acid or tartar emetic, 50 gal. bbls..... gal	1.10	1.30	X-Ray diag. 1 lb bot..... lb		3.20	Bromoform, USP 5 lb bot 50 lb cs. lb		1.65
Benzaldehyde, tech. 945 lb drs. wks..... lb	.70	.75	Subgallate, USP, 25 lb bxs..... lb		2.30	Brucine Sulfate, 100 ozs..... oz	.15	.25
USP. 40 lb chys..... lb	1.40	1.50				Butter of Antimony, see Antimony Chloride		
FFC, 40 lb chys..... lb	1.50	1.65				Butyl Acetate, 100 gal. drums..... gal	2.40	2.50
BENZENE, 90% 8000 gal. tanks						CADMIUM, metal 100 lb bxs..... lb	.95	1.00
wks..... gal		.23				Bromide, 50 lb cases jars..... lb		1.20
110 gal. drs. wks..... gal		.28				Iodide, 10 lb bot..... lb		4.45
Pure Tanks, wks..... gal		.25				Sulfide, cs..... lb	1.50	1.60
110 gal. drs. wks..... gal		.30						

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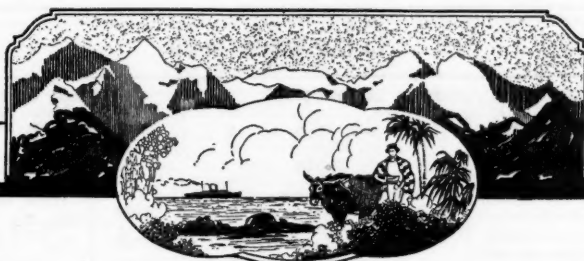
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CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPOR, Amer. ref: 250 lb			Chalk, drop 175 lb bbls.....D		: .03%
Second Hands.....D	3.40	: 3.45	bbls.....D		: .80	Presp. light 250 lb cks.....D		: .04%
Hydrochloride, 1 lb bot.....D	4.05	: 4.55	2 1/2 lb slabs, 100 lb cs.....D		: .81%	Presp. heavy 560 lb cks.....D		: .03%
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D		: .81%	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....D	2.90	: 3.10	1 oz tab., 1 lb ctms.....D		: .85%	Presp. English, 7 lb bags.....D		: .07%
Hydrobromide, 1 lb bot.....D	4.65	: 4.90	100 lb cs.....D		: .86	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/2 oz tab., 1 lb ctms.....D		: .86	Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb.....D		: 3.00	Jap. ref., 2 1/2 lb slabs, 100 lb			Willow, powd. 100 lb bbls.....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks..D	.08	: .09	cs.....D	.67	: .65	China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D		: .50	1 oz tab., 100 lb cs. 1 lb		: .80	Washed & Ground.....ton	8.00	: 15.00
Carbide, 220 lb dr. c/l wks..D		: .04%	Hms.....D		: .80	Imp., Filler Clay.....ton	12.00	: 15.00
Drums, 1c/l wks.....D		: .05	1/2 oz tab., 100 lb cs., 1 lb		: .81	Coating.....ton	18.00	: 20.00
Carbonate, tech. 100 lb bags			tlms.....D		: .81	Chloral Hydrate, USP 100 lb drs..D	.75	: .80
c/l.....100 lb	1.00	: 1.10	Chinese ref. 2 1/2 lb slabs 100 lb			25 lb jars.....D	.83	: .85
USP, presp. 175 lb bbls.....D		: .04	cs. D.....D		: .58	Chinoidin, 140 lb drs.....D		: .40
Chloride, solid, 650 lb drs. c/l		: 24.50	Crude, 100 lb cs.....D		: .60	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
f.o.b. NY.....ton		: 19.50	Camphor, Monobrom., 100 lb cs..D	1.85	: 1.90	Chloroform, 5 lb bot.....D	.55	: .75
Imp. shipment.....ton		: 30.50	Caramel, 50 gal. bbls.....gal		: .70	Chlorhydrin, Ethylene anhyd. 600 lb		: .85
Gran., 350 lb drs. c/l f.a.h.			Carbasol, 250 lb bbls.....D		: .50	40% soln. 100 lb clys.....D	.25	: .30
NY.....ton		: 30.50	Carbon Bisulfide, 500 lb drs. 1c/l/NY		: .06%	CHLORINE, Liquid 2000 lb cyl.		: .04%
Flake 350 lb drs. c/l drs. f.a.h.			c/l drums, NY.....D		: .06	c/l wks.....D		: .04%
NY.....ton		: 30.50	Carbon Black, 12 1/2 lb bags.....D	.09	: .10	Tank car lots, wks. Contract..D		: .05%
Ashyd., 350 lb drs. f.o.b. NY..D	.13	: .20	Carbon Dioxide, Liquid, 20-25 cyl. D		: .06	100 lb cyl. c/l.....D	.05%	: .05%
Glycerophosphate, 250 lb bbls..D		: 1.40	Carbon Tetrachloride, 1400 lb drs.			100 lb cyl. 1c/l wks.....D	.07	: .08
Hydrate, (see Lime)			NY.....D	.06%	: .06%	100 lb cyl. 1c/l ex-warehouse..D	.08	: .09
Hypophosphite, USP, 25 lb cans..D	.60	: .65	Drums, c/l NY.....D		: .06%	Chlorobenzene, mono. 100 lb drs.		: .11
Iodide, 5 lb bot.....D		: 4.40	700 lb drs. single NY.....D		: .07	wks.....D	.10	: .12
Lactate, tech. 500 lb bbls.....D		: 13 1/2	Carmines, No. 40, 5 lb boxes.....D	4.75	: 4.85	Dras. c/l wks.....D	.08	: .08%
U.S.P.....D	.50	: .60	Casein, edib., 100 lb keg.....D		: .45	Tank car lots wks.....D		: .08
Nitrate, 220 lb bbls, c/l NY..ton		: 40.00	Technical, 200 lb bbls.....D		: .10%	CHLORFORM, USP 50 lb drs..D		: .35
Phosphate, tech. 350 lb bbls..D	.09	: .10	Castoreum, 1 lb boxes.....D	4.00	: 4.50	Second Hands, 650 lb drs..D	.32	: .33
Phosphate, presp. tribasic 200 lb			Castor Oil, USP, 50 gal. bbls..D		: .17%	Technical, 650 lb drums.....D	.31	: .32
bbls., wks.....D	.11	: .14	Cases, 80 lb 2 tins.....D		: .18%	Chlorophyll, Oil Sol.....D	2.50	: 2.75
Phosphate, mono, 325 lb bbls..D	.07	: .08	Tech. see Fixed Oils			Water Sol.....D	3.75	: 4.00
Sulfocarbonate, 100 lb kgs.....D	.55	: .57	Caustic Potash, see potash, caustic			Chromium Acetate, 20% soln. 400 lb		: .08
Calomel, see Mercury			Soda, see soda, caustic			bbls.....D	.97	: .98
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Fluoride, Powd. 400 lb bbls..D		: .30
			Cerium Oxalate, USP 100 lb kgs..D	.35	: .38	Solp. 400 lb bbls.....D		: .55
						Chrysarobin, USP, 5 lb cans..D	5.25	: 5.35
						Chinchonidin alk., pwd. 100 oz. tins..D		: .60
						Crystal.....D		: .65
						Sulfate, 1000 lb drs.....D		: .40
						Resale, 1,000 oz. lots.....D		: .39

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Chalconine alk. , pwd. 1000. tin.oz ... : .38	COPPER metal electrolytic c/l	Diethyl Sulfate tech. 50 gal. drs. lb ... : .25
Crystal ... : .43	NY ... : 14.00	CP drums ... : .50
Sulfate , 100 oz. tin. ... : .25	Lake c/l NY ... : 14.50	Digitalin, Pure , 1 oz. vial. ... : 9.75
Citrine Ointment , see Mercury	Casting, c/l NY ... : 13.37	Dimethylaniline , 840 lb. dra. wks. lb ... : .35
Coal Tar , See Tars	Carbonate , 400 lb. bbis. ... : .16	Dimethylsulfate , 100 lb. drs. ... : .50
Cobalt metal , 100 lb. kegs. ... : 2.50	Chloride , 250 lb. bbis. ... : .28	Dinitrobenzene , 400 lb. bbis. ... : .16
Cobalt Oxide , 500 lb. bbis. ... : 2.10	Cyanide , 100 lb. drs. ... : .49	Dinitrochlorobenzene , 400 lb. bbis. lb ... : .18
10 lb. tin. , 200 lb. cans. ... : 2.45	Iodide , 5 lb. bot. ... : 5.65	Dinitronaphthalene , 350 lb. bbis. lb ... : .32
COCAINE alk. , USP , 1 oz. vial. oz ... : 10.00	Oxide , red 1000 lb. tin. tons lb ... : 18 1/4	Dinitrophenol , 350 lb. bbis. ... : .32
Hydrochloride, USP —1 oz. vials.	Sub-Acetate , verd. 440 lb. bbis. lb ... : .23	Dinitrotoluene , 300 lb. bbis. ... : .19
25 oz. ... : 7.07	SULFATE, crys. 450 lb. bbis. le/l	Dionin , see Morphine , Ethyl
In 1/2 oz. vials. ... : 7.50	spot ... : 4.75	Diphenylamine , 250 lb. bbis. ... : .48
In crystals, granular, powder, or flaky crystals as desired.	Carlota, bbis. , f.o.b. NY 100 lb ... : 4.80	Diphenylguanidine , 170 lb. bbis. lb ... : 1.10
Cocoa Butter , bulk, 200 lb. bales. lb ... : .31	Carlota, bbis. , delivered 100 lb ... : 4.75	Dover's Powder , USP 5 lb. tin. ... : 2.20
Fingers , cakes, etc. 12 lb. bxs. lb ... : .34	Imp. 550 lb. cans. spot. ... : 4.40	Duboisine Sulfate , 1 oz. vial. ... : 30.07
CODEINE, alk. , 1 oz. vial. 10 oz. lots ... : 9.87	Powdered , 350 lb. 5 bbis. ... : 5.50	EARTH, Diatomaceous , see Kieselguhr
Hydrobromide , 1 oz. vial. 10 oz. lots ... : 7.92	Copperas, bulk c/l wks. ... : 15.00	Emetine alk. , 15 gr. vial. ... : 1.30
Hydrochloride , 1 oz. vial. 10 oz. lots ... : 8.77	200 lb. bgs. , c/l wks. ... : 18.00	Hydralide, USP 1 oz. vial. ... : 17.50
Nitrate , 1 oz. vial. 10 oz. lots. oz ... : 8.77	400 lb. bbis. , c/l wks. ... : 20.00	15 gr. vials. ... : .75
Phosphate , 1 oz. vial. 10 oz. lots ... : 7.42	Powdered, bbis. ... : 1.90	EPSON SALT, tech. 300 lb. bbis.
Salicylate , 1 oz. vial. 10 oz. lots ... : 7.42	Sugar , 400 lb. bbis. ... : 1.25	NY ... : 2.15
Sulfate , 1 oz. vial. 10 oz. lots. oz ... : 7.92	Corn Syrup , 42 deg. 50 gal. bbis. ... : 4.28	Bbils. , c/l NY ... : 2.00
Small Sizes, 1/4 oz. vials. 50c extra.	43 deg. 50 gal. bbis. ... : 4.31	100 lb. bgs. , c/l NY ... : 1.70
1/4 oz. 30c extra. singles 7c extra.	44 deg. 50 gal. bbis. ... : 4.38	Imp. , 220 lb. bgs. , c/l
per oz. —25 oz. lots. 10c oz. cheaper.	45 deg. 50 gal. bbis. ... : 4.45	NY ... : 1.35
than above. Less than 10 oz. 15c oz. higher than above.	Corn Sugar , see Glucose	USP , 300 lb. bbis. 10 bbis. 100 lb. ... : 2.50
CODLIVER OIL , Norwegian, 30 gal. bbis. ... : 28.50	Cotton Soluble , 100 lb. bbis. wet. lb ... : .40	Carlota, bbis. ... : 2.10
Newfoundland , 30 gal. bbis. bbil ... : ...	Coumarin , 25 lb. tin. ... : 3.25	Imported , 400 lb. bbis. 100 lb. kegs. ... : 2.00
Colchicine alk USP 1 oz. vial. oz ... : 15.07	Second Hands ... : 3.25	100 lb. kegs. ... : 2.25
Salicylate , 1 oz. vial. ... : 15.07	CREAM TARTAR, USP , 300 lb. bbis. ... : .21 1/4	Ergotin , Bonjean , 1 lb. jars. lb ... : 6.00
Colloction USP 30 lb. drums. lb ... : .22	Imp. powd. USP , 224 bbis. lb ... : .20 1/4	Eserine alk. , 1 oz. vial. ... : 24.07
	Creosote, USP , 42 lb. clys. ... : .45	Salicylate, USP 1 oz. vial. ... : 16.07
	Carbonate , 1 lb. bot. 25 lb. lb ... : 1.70	Sulfate, USP VIII , 1 oz. vial. oz ... : 11.07
	Creosote oil , 50 gal. drs. ... : .28	ETHER, USP , 55 lb. drums. ... : .16
	Cresol, USP , 400 lb. drums. ... : .22	Anaesthesia , 55 lb. drums. ... : .19
	Cyanamide , bulk c/l wks. amm. unit ... : 1.90	USP , 1880 55 lb. drums. ... : .42
	DIAMINOPHENOL , 160 lb. kegs. lb ... : 3.80	Washed , 55 lb. drums. ... : .33
	Dianisidine , 100 lb. kegs. ... : 4.00	Motor , 1 lb. cans. ... : .25
	Dichlorobenzene , 1000 lb. drs. ... : .08	Ether, Nitrous , 1 lb. bot. ... : .92
	Diethylaniline , 850 lb. drs. ... : .58	Ethyl Benzyl Aniline , 300 lb. drs. lb ... : 1.15
	Diethyl Phthalate , 25 lb. cans. lb ... : .40	
	1000 drs. ... : .35	



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Ethyl Acetate, 99% 50 gal. drs. gal. 1.15 : 1.18	Gelatin, USP silver lbl. 100 lb. ea. lb. .65 : .68	Hydrastinine Hydrochloride, USP 15 gr. vialsvial . . . : 1.00
85% Ester, 100 gal. drs. gal. : .95	Gold Label, 100 lb. cases.....B . . . : . . .	Hydrobenzene 100 lb. kgs.....B . . . : . . .
Carbide, drums .....gal . . . : .92	Technical, 100 lb. ea. ....D .50 : .55	HYDROGEN PEROXIDE, 35 vol. 400 lb. bbls. ....B . . . : .10
Tanks Cars .....gal . . . : .90	GLAUBER'S SALT, tech. 200 lb. bags, lb/l wks. ....100 lb. 1.15 : 1.25	100 vol. 145 lb. cys.....B . . . : .38
Refined, drums .....gal 1.77 : 1.90	350 M' bbls. c/l wks. ....100 lb. . . . : 1.25	USP Soln. 375 lb. bbls.....B . . . : .05
Bromide 115 lb. drs.....B . . . : .40	Bbls. lb/l wks. ....100 lb. 1.30 : 1.85	10 vol. 145 lb. cys.....B . . . : .43
Chloride, 200 lb. drs., 15 lb. cyl. B .26 : .35	Imported, bbls. ....D . . . : .70	USP bot. 4 oz. cases.....gross 8.00 : 8.25
Methyl Ketone, 50 gal. drums. B .25 : .25%	USP, 300 lb. bbls. imp. sp. 100 lb. . . . : 1.25	Bot. 8 oz. cases.....gross 11.75 : 12.00
Morphine, see Morphine, Ethyl . . . : .60	USP, 300 lb. bbls. dom. sp. 100 lb. . . . : 1.75	Bot. 16 oz. cases.....gross 19.75 : 20.00
Ethylene Bromide, 600 lb. drs.....B . . . : .80	USP, 300 lb. bbls. c/l wks. 100 lb. . . . : 1.40	Hydroquinone, 100 lb. kgs.....B 1.40 : 1.80
Glycol .....B . . . : 1.00	Calcined, see Sodium Sulfate	Hyocine Hydrobrom. USP 1 oz. vial .....B . . . : 9.57
Chlorhydrin, anhyd. 50 gal. drs. B .75 : .85	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY.....100 lb. 4.29 : 4.54	Five ozs., 1 oz. vials.....B . . . : 9.00
40% Solution, 50 gal. bbls. B .25 : .30	Syrup, Dm. & bbls, c/l NY 100 lb. 4.26 : 4.45	Hyocyanine Alk. Cryst., 1 oz. vial. B . . . : 20.07
Dichloride, 50 gal. drs.....B . . . : .20	lb/l NY .....100 lb. 4.36 : 4.55	Alkaloid, Amorphous, 1 oz. vial. B . . . : 75.07
Ethylideneaniline .....B . . . : .70	GLUE, pure white, bbls.....B . . . : .23	Hydrobromide, USP 1 oz. vial. B . . . : 25.07
Eucalyptol, 35 lb. cans .....B . . . : .80	Medium white, bbls.....B . . . : .20	Sulfate, 1 oz. vial.....B . . . : 20.97
Falderpar, bulk .....ton 20.00 : 25.00	French, bbls. ....B . . . : .18	INDOL, C. P., 1 oz. bot.....B . . . : 6.50
FERRIC CHLORIDE, tech. crys. : .07	High Grade, bbls. ....B . . . : .35	Iodides, see Potass. Iodide, etc.
475 lb. bbls. ....B . . . : .06	Bone, regular, bbls. ....B . . . : .10	IODINE, crude, 200 lb. bags.....B . . . : 3.97
Imported .....B . . . : .06%	Fish, bbls. ....gal 1.50 : 1.75	Resublimed, 10 lb. jars .....B . . . : 4.75
USP, crys. 100 lb. kgs.....B . . . : .08	GLYCERIN, C.P., 550 lb. drums. B . . . : .19	Tincture, USP, 50 gal. bbls..gal 4.30 : 4.40
Imported .....B . . . : .07%	Can, 50 lb. ....B . . . : .20	Carboys .....B . . . : 4.45
Neut. Sol'n 40° 140 lb. cys.....B . . . : .06	Dynamite, 100 lb. drs. ....B . . . : .17%	Iodoform, powd. 10 lb. bot.....B . . . : 5.50
48° 140 cys.....B . . . : .08	Saponification, tanks .....B . . . : .12%	Crystals, 10 lb. bot.....B . . . : 6.50
USP Sol'n 125 lb. cys.....B . . . : .05%	Soap, Lye tanks .....B . . . : .12	Iridium, metal 10 oz. lots.....B . . . : 280.00
Ferrous Chloride, crys. tech. : .06	Goa Powder, see chrysarobin	Iron, metal by hydrogen 1 lb. bot. B . . . : 1.00
475 lb. bbls. ....B . . . : 2.50	Graphite, crude 220 lb. bags.....ton 15.00 : 35.00	IRON & AMM. CITRATE, USP 50 lb. cans .....B . . . : .60
Ferrous Sulfate, 1000 lb. bbls. 100 lb. Flake White, see lead, white	Flake, 500 lb. bbls. ....B . . . : .05	Green scales 50 lb. ....B . . . : .60
Fluxspar, 95% 220 lb. bps. ex-dock .....ton . . . : 25.00	Ground, lump, bbls.....B . . . : .04	Cacodylate, 10 lb. bot.....B . . . : 6.50
96% bps. ....ton . . . : 33.50	Guaiacol Liquid, USP, 25 lb. cans. B . . . : 2.35	Citrate, USP VIII 25 lb. cans. B . . . : .99
98% bps. ....ton . . . : 35.00	Benzoate, 5 lb. boxes .....B . . . : 4.60	Chloride, see ferric or ferrous
FORMALDEHYDE, USP 400 lb. bbls. c/l wks. ....B . . . : .09	Second Hands .....B . . . : 3.35	Hypophosphite, 5 lb. cans.....B 1.50 : 1.60
Carboys, 100 lb. lb/l wks.....B . . . : .10%	HAARLEM OIL, Dom. 6 gr. oz. gross Imported, 5 gr. cases.....gross 4.00 : 4.25	Syrup, USP VIII.....B . . . : .30
Bbls., 400 lb. lb/l wks.....B . . . : .10%	Halazone, 5 lb. bot.....B . . . : 2.75	Iodide, 1 lb. bot.....B . . . : 4.28
Second Hands .....B . . . : .09	Hexamethylenetetramine, USP 100 lb. drums .....B . . . : .75	Syrup, USP, 5 lb. bot.....B . . . : .35
Feed Flour .....B . . . : .04	Imported .....B . . . : .65	Nitrate, kgs .....100 lb. 2.75 : 3.25
Formaniline .....B . . . : .50	Rubber Makers, Impalp. Pk. drs. ....B . . . : .82%	Con'l, bbls. ....B . . . : .85
Fowler's Earth, 300 lb. bps. c/l mines .....ton 15.00 : 17.00	Homatropine Hydrobrom. USP 1 oz. vial .....B . . . : 14.57	Oxide red, Spanish .....B . . . : .03%
Imported, 250 lb. bags NY.....ton 33.00 : 40.00	Five ozs., 1 oz. vials.....B . . . : 13.50	& Ammon. Oxalate 25 lb. bps. B . . . : .42
Furfural, 300 lb. bbls.....B . . . : .35	Hydrastine Alk., USP, 1 oz. vials. 14.00 : 14.57	& Potassium Oxalate, 25 lb. bps. B . . . : .45
Fuel Oil, 10% Impurities, drs. gal 3.25 : 3.40	Hydrochloride, USP, 1 oz. vial.....B . . . : 14.57	& Sodium Oxalate, 25 lb. bps. B . . . : .41
G SALT, pure 350 lb. bbls. basic 100%B . . . : .60	Sulfate, 1 oz. vial.....B . . . : 16.07	Phosphate, USP 50 lb.B . . . : .60
		Pyrophosphate, USP, 50 lb.B . . . : .74

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JALAP RESIN, lump 5 lb tins...D	3.25	: 3.35	Linalool, 5 lb bot.....D	6.25	: 6.75	Manganese—(continued)		
Powd. tins.....D	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....D	2.95	
Kapoc. 200 lb double bales....D	.25	: .35	Lithium Carb. USP, 100 lb kgs..D	1.50	: 1.60	Hypophos. USP VIII 5 lb cans..D	1.40	
KIESELGUHR, 95 lb bags NY...ton	60.00	: 70.00	Bromide, 100 lb cs.....D	1.75	: 1.85	Iodide, 1 lb bot.....D	6.65	
LANOLIN, see Adeps Lanæ			Citrate, USP, 100 lb kgs....D	1.70	: 1.75	Ora, bulk, NY.....D	.40	: .45
LEAD, metal c/NY.....100 lb	8.65	: 9.00	Iodide, 5 lb bot.....D	7.50		Sulfate, 600 lb casks NY....D	.08	
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, le/l wks.D	.06%		See also Calcium Carbonate		
bbls. wks.....D	.15%		Bbls. c/l wks.....D	.06%		Menththol, USP, 60 lb cases...D	13.75	
100 to 250 lb kgs. wks..D	.18		Bags, c/l wks.....D	.06%		Less cases, 5 lb tins.....D	14.25	
White, broken, bbls. wks.100 lb	14.75		Imported, 400 lb bbls.....D	.05%		Domestic, USP, 60 lb cases...D		
White, gran., bbls., wks.100 lb	15.00		Litmus Cubes.....D	.90	: 1.00	MERCURY, metal, 75 lb flasks, flask	69.00	: 69.50
White, powd., bbls. wks.100 lb	16.25		Luminal, see Phenylethylmalonylurea			Less Flasks, 5 lb jugs....D	1.00	
Keps, wks.....D	.16%		MAGNESITE, crude.....ton	15.00		Bichloride, cryst. 25 lb bxs...D	1.13	
Brown, broken, bbls, wks...D	.14%		Calcined, 500 lb bbls.....ton	55.00		Gran. powd., 200 lb kgs..D	.98	
USP, 100 lb kgs.....D	.15%	: .16	Magnesium mt., sticks 100 lb cs..D	1.25	: 1.30	Risulfate, 25 lb boxes.....D	.96	
Arenate, 100 lb bbls. le/l wks..D	.21	: .26	Carb. tech. 70 lb bags NY...D	.08	: .08%	Blue Mass, 25 lb boxes.....D	.66	
Bbls. c/l wks.....D	.17	: .19	75 lb bbls. NY.....D	.09%	: .10%	Powdered, 25 lb boxes.....D	.68	
Paste, 100 & 600 lb bbls..D	.10	: .15	USP, 60 lb bbls.....D	.12	: .14	Blue Ointment, USP 25 lb cans		
Iodide, USP VIII 5 lb bot....D	3.20	: 3.40	USP, blocks 100 lb cs. 1, 2, 4	.19	: .23	50%.....D	.56	
Nitrate, 500 lb bbls. wks....D	.12		ons.....D			USP, dilute 25 lb cans 30%..D	.66	
Oxide, lithge, 500 lb bbls....D	.10%		Chloride, fused 575 lb dra. c/l			35% Mercury.....D	.74	
100 lb kgs, wks.....D	.15		Flaked, 350 lb dra. wks c/l ton	34.00		Calomel, 50 lb bxs.....D	1.23	
Oxide, red 500 lb bbls. wks..D	.11		Imp., fused 900 lb bbls NY ton	26.00	: 26.00	Citrine Ointment 25 lb jars..D	.51	
100 lb kgs, wks.....D	.15		Fluocilicate, crystals 400 lb bbls			Iodide, green 25 lb jars.....D	4.10	
Peroxide, 100 lb dra.....D	.35	: .50	wks.....D	.12	: .15	Red, USP 25 lb jars.....D	4.20	
White, basic carb. 500 lb bbls			30% soln. 500 lb bbls. wks.D	.07	: .07%	Yellow, USP VIII 25 lb jars..D	4.10	
wks.....D	.10		Soln. bbls. c/l wks.....D	.06		Oxide, Yellow, USP, 25 lb bxs..D	1.66	
Bbls. c/l wks.....D	.15		Glycerophosphate, 5 lb tins....D	3.25		Red Precip. USP, 25 lb bxs...D	1.38	
100 lb kgs, wks.....D	.15		Hypophosphite, 5 lb cans.....D	1.05		Powder, USP 25 lb bxs....D	1.48	
White, sulfate 500 lb bbls.wks.D	.09%		Oxide, USP Right 100 lb bbls..D	.42		White Precip. USP 25 lb bxs..D	1.34	
Bbls. c/l wks.....D	.09%		USP, heavy 250 lb bbls....D	.50		Powdered, USP, 25 lb bxs....D	1.39	
Licorice Ext. Mass, cases....D	.25	: .26	Peroxide, 5 lb cans.....D	2.40		With chalk, USP 25 lb bxs...D	.66	
Compound powder, bbls.....D	.11	: .13	Perborate, 1 lb tins.....D	2.62		Meta-Nitraniline.....D	.70	: .80
Powdered.....D	.38	: .40	Salicylate, 100 lb kgs.....D	.75	: .80	Meta-Nitro-para-Toluidine, 300 lb	2.05	: 2.10
Sticks, 1 cu. 100 lb cases....D	.45	: .50	Sulfate, see Epsom Salts			bbls.....D	.90	: .95
LIME (Salts, see Calcium Salts)			Manganese Chloride, 600 lb csk.			bbls.....D	.85	: .88
Live, 325 lb bbls. ton lots, wks.D	.01%		NY.....D	.09%	: .10			
Single bbl. wks.....D	.01%		Borate, 30%, 200 lb bbls....D	.24				
Hydrated, 167 lb bbl, ton lots,			100 lb kgs.....D	.25				
wks.....D	.01%		Dioxide, 80-84% 900 lb bbls.					
Single bbl. wks.....D	.01%		NY.....ton	80.00	: 85.00			
Oyster Shell, 150 lb bbl. single.D	.03%		85-90%, 900 lb bbls. NY ton	55.00	: 90.00			
Sulfur, dry 200 lb dra. NY...D	.08%		Hydrated, precip. 100 lb kgs.D	.15	: .20			
Dra. c/l NY.....D	.08							
35° Soln. 50 gal. bbls., NY.gal	.15	: .16						

ACETATES

AMYL BUTYL ETHYL

MECCO

The Miner Edgar Company
Rail and Water Facilities
110 William Street
New York

Chemicals

METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb cans.....			15.00	: 16.00	Ortho-Toluidine, 350 lb bbls.....			.14	: .16
95% tanks.....gal	...	.67	NAPHTHA, See Solvent Naphtha					Oxall, USP, 5 lb bot.....			2.00	: 2.00
Drums c/l.....gal	...	.70	NAPHTHALENE, Flaks, 175 lb bbls					Purified, 5 lb bot.....			1.50	: 2.50
Drums, 1a/1.....gal	...	.73	wks.....				.05%	Crude, 5 lb bot.....			.80	: 1.25
97% tanks.....gal	...	.69	Bbls, c/l wks.....				.05	PALLADIUM, metal 10 oz. lots.....			75.00	: 76.00
Drums, c/l.....gal	...	.72	Bbls, second hands NY.....				.05	Pancreatin, USP 5 lb bot.....			1.25	: 1.40
Drums, 1a/1.....gal	...	.74	Balls, 250 lb bbls wks.....				.05	Papain, 10 lb bot USP, Powd.....			2.15	: 2.25
Pure, Acetone free, tks.....gal	...	.75	Bbls, c/l wks.....				.05%	Crude, 150 lb cases.....			1.80	: 1.85
Drums, c/l.....gal	...	.77	Bbls, second hands NY.....				.05%	Paraffin, ref'd 200 lb ca. slabs				
Drums, 1a/1.....gal	...	.80	Crushed, chipped, lgs., wks.....				.04%	123-127 Deg. M. P.....			.05%	: .06
Bbls. incl. 5c higher			Crude, imp., bags.....				.02	128-132 Deg. M. P.....			.05%	: .06%
Methyl Acetone, 100 gal. drums gal	.75	: .80	Nickel Metal, electrolytic 100 lb					133-137 Deg. M. P.....			.06%	: .07
Tanks, cars.....gal	.70	: .75	kegs.....				.30	138-140 Deg. M. P.....			.07%	: .07%
Chloride, 90 lb cyl.....lb	...	.50	Ingot, 100 lb kegs.....				.29	Para-Aminocetanilid, 100 lb				
Selicylate, USP, 5 lb cases.....lb	...	.47	Salt, single 400 lb bbls, NY.....				.11	kegs.....			1.10	: 1.15
500 lb drums.....lb	...	.45	Double, 400 lb bbls, NY.....				.10	Para-Aminophenol, 100 lb kegs.....			1.18	: 1.25
Second Hands, cases.....lb	.44	: .45	Oxide, 100 lb kegs NY.....				.40	Hydrochloride, 100 lb keg.....			1.35	: 1.40
Methylene Blue, tech. 100 lb kgs lb	1.25	: 1.50	Sulfate, 450 lb bbls.....				.07	Para-Dichlorobenzene, 150 lb bbls				
USP, medicinal 5 lb cans.....lb	2.00	: 2.30	Nicotine, Free 40%, 8 lb tins.....				1.35	wks.....			.17	: .30
Mishler's Ketone, 225 lb bbls.....		3.75	Sulfate, 10 lb tins, 40%.....				1.05	25-50 lb kegs.....			.18	: .23
Milk, powd. 150 lb bbls.....lb	.14	: .15	Nitre Cake, bulk wks.....				5.50	Paraaldehyde, 100 gal. drs.....			...	.48
Milk Sugar, see sugar of milk			500 lb bbls.....				13.00	Paraformaldehyde, USP 100 lb ca. lb			.43%	: .45
Mineral Oil, see oil mineral			Nitrobenzene, crude, 1000 lb drs					Para-Nitrocetanilid, 300 lb				
Mineral Rubber.....ton	35.00	: 75.00	wks.....				.09	bbls.....			.50	: .55
Monocedine, 100 gal. drums.....lb	...	.50	Redistilled, 1000 lb drs. wks. lb				.09%	PARA-NITROANILINE, 300 lb bbls				
Monochlorobenzene, see chlorobenzene			Nitronaphthalene, 550 lb bbls.....				.20	wks. ton.....			.66	: .67
Monomethylamine, 900 lb drs.....lb	.90	: 1.00	Nitrotoluene, mixed 1000 lb drs					Para-Nitrochlorobenzene, 1200 lb drs				
Monomethyl paraaminophenol sulfate			wks.....				.14	wks.....			.20	: .30
100 lb drs.....lb	3.95	: 4.20	Ochre.....				.03%	Para-Nitro-ortho-Toluidine, 300 lb				
MORPHINE Sulfate, USP 5 oz. tins			Oil Fuel, see Fuel Oil					bbls.....			2.75	: 2.85
10 oz. tins.....oz	...	7.35	OIL MINERAL, wh. 50 gal. bbls gal			1.00	: 1.25	Para-Nitrophenol, 185 lb bbls.....			.55	: .60
Acetate, 5 oz. tins 10 oz. lots.....	...	7.35	Oil Mirbane, see nitrobenzene					Para-Nitrosodimethylaniline, 120 lb				
Hydrobromide, 5 oz. tins 10 oz. lots	...	7.35	Opium, see crude drugs					bbls.....			...	.05
Hydride, 5 oz. tins 10 oz. lots	...	7.35	Orange Mineral, 500 lb casks NY. lb			...	.14	Para-Nitrotoluene, 350 lb bbls.....			.42	: .45
Ethyl Hydride, 1/4 oz. vials 10 oz. ca.	...	11.45	500 lb bbls NY.....			...	.14	Para-oxy Benzaldehyde, 100 lb				
Small Sizes: 1/4 oz. vials, 50c extra; 1/2 25c extra; single oz. vial, 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c. or lower than above schedule. Less than 10 oz. lots 15c. or higher than above schedule.			Ortho-Aminophenol, 50 lb kegs.....			2.40	: 2.50	kegs.....			...	1.70
			Ortho-Aniline, 100 lb drs.....			...	3.00	Para-Phenetidin, 500 lb drs.....			1.55	: 1.80
			Ortho-Dichlorobenzene, 1000 lb drs					Para-Phenylenediamine, 350 lb				
			wks.....				.05%	bbls.....			1.25	: 1.30
			Ortho-Nitrochlorobenzene, 1200 lb					Para-Toluene-Sulfonamide, 175 lb				
			dr. wks.....				.35	bbls.....			.40	: .41
			Ortho-Nitrophenol, 350 lb.....			...	1.00	Para-Toluene-Sulfonchloride, 410 lb				
			Ortho-Nitrotoluene, 1000 lb drs					bbls wks.....			.18	: .30
			wks.....				.09	Para-Toluidine, 350 lb bbls. wks. lb			.75	: .80



SULPHUR

SUBLIMED
ROLL BRIMSTONE
FLOWERS
PRECIPITATED 100%

LAC SULPHUR

For Technical Purposes Only

BATTTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

WHITING
DOMESTIC and IMPORTED

GAS CARBON
BLACK

DENATURED
ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO.
200 Fifth Avenue NEW YORK

Chemicals

PARIS GREEN			POTASSIUM—(Continued)		
Arsenic Basis, 500 lb kegs.... lb	.25	: .30	Chlorate, crys. 112 lb kegs. e/l		
Kegs, 100 lbs..... lb	.32	: .33	wks..... lb	.08	: .08%
Kits, 50, 25, 14 lbs..... lb	.34	: .35	Imp. 112 lb kegs, NY... lb	.06%	: .07
Packages, 5 and 2 lb..... lb	.36	: .37	Powd., 112 lb kegs wks.... lb	.08%	: .09
Packages, 1 lb, 1/2, 1/4 lb.... lb	.39	: .43	Imp., kegs NY..... lb	.06%	: .06%
Paris White, see whitening, French			Gran. Imp. 112 lb kegs NY.. lb	.10%	: .11
Pepain, USP, 5 lb bot..... lb	2.25	: 2.50	Pyrotechnic, fine powd. NY.. lb		: .07
PETROLATUM , green 300 lb bbls. lb	.02 3/4	: .03	USP, fine crys. 110 lb kegs		
Dark Amber, 300 lb bbls.... lb	.03 3/4	: .04	NY..... lb	.07	: .07%
Light Amber, 300 lb bbls.... lb	.04 3/4	: .05	Citrate, USP 50 lb..... lb		: .60
Cream White, USP 300 lb bbls. lb	.07	: .07 3/4	Cyanide, 110 lb cases..... lb	.60	: .65
Lily White, USP, 300 lb bbls. lb	.09	: .09 3/4	Glycerophosphate, 75% Soln. 25 lb		
Snow White, USP, 300 lb bbls. lb	.12 3/4	: .13	tins..... lb	1.35	: 1.50
Phenol, see also acid carbolie			Guaiacol Sulfonate, 5 lb cans,		
Makers, 950 lb drums, spot.... lb	.24	: .25	10 lb..... lb	2.00	: 2.25
Small drums, 240-100 lb.... lb	.25	: .27	Hypophosphite, 10 lb cans.... lb	.80	: .85
Open market, dra..... lb		: .35	Iodide, USP, 100 lb cases.... lb	3.75	: 3.80
240 lb des. dra. wks.... lb		: .25	Second Hands, cases..... lb	3.60	: 3.70
Natural, 240 lb des. dra. wks.... lb		: .25	Lactophosphate, 400 bot.... oz		: .90
Phenolphthalein, USP, 100 lb dra. lb	1.30	: 1.40	Metabismite, 300 lb bbls.... lb	.18	: .20
5 lb cans, 100 lb lots..... lb	1.40	: 1.50	Imp., 550 lb bbls.... lb	.10	: .13
Phenyl-Alpha-Naphthylamine 100 lb			Muriate, 80%, 200 lb bags, NY		
kegs..... lb		: .75	K ₂ O unit..... lb		: .63
Phenylethylalcohol, 1 lb bot. Dom lb	8.00	: 10.00	Nitrate, see Saltpetre		
Imported..... lb	7.00	: 7.75	Oxalate, neutral, 100 lb kegs.. lb	.35	: .40
Phenylethylmalonylurea, oz. pkts. oz		: 5.50	Perchlorate, 112 lb kegs..... lb	.09 3/4	: .10
Phosgene, 100 lb cylinders..... lb		: .35	PERMANGAN. USP, crys. 500 lb		
Phosphorus Oxide, 175 lb cyl. lb	.35	: .40	& 100 lb dra., wks.... lb	.14%	: .15%
Phosphorus, red 110 lb cs. wks.... lb		: .90	Imp. 113 lb drs..... lb	.14	: .14%
Imported, 112 lb cases.... lb	.90	: 1.00	Prussiate, red, 500 lb cases.. lb	.37	: .39
Yellow, 110 lb cs. wks.... lb	.35	: .37 3/4	Prussiate, yellow, 500 lb cases. lb	.16 3/4	: .17
Imported, 112 lb cases.... lb		: .45	Salicylate, 25 lb cans..... lb	.60	: .65
Phosphorus Trichloride, 175 lb cyl.			Sulfate, 200 lb bags, NY K ₂ O unit		: .85
wks..... lb	.23	: .28	USP, VIII, 100 lb kegs.... lb	.15	: .18
Phthalic Anhydride, 100 lb bbls. lb		: 3.00	Sulfocyanide, CP 25 lb jars.... lb		: .50
Pilocarpine Hydrochloride, USP 25 oz			Tartrate, neutral, 100 lb kegs. lb		: .61
lots, 1 oz vials..... oz	3.00	: 3.32	Titanium Oxalate 200 lb bbls. lb	.25	: .30
Nitrate, 25 oz..... oz		: 3.00			
Single ozs..... oz		: 3.32			
Alkaloid, 15 gr. vls..... ea		: .85			
Piperazine Hydrate, 1 lb bot.... lb		: 16.00			
Piperidine, 25 oz..... oz	1.10	: 1.25			
Pitch, Coal-Tar, wks..... ton	24.00	: 26.00			
Plaster Paris, tech 250 lb bbls. bbl		: 3.30			
True Dental, 300 bbls.... bbl		: 4.50			
Platinum, metal soft 30 oz. lots.... oz		: 118.00			
Podophyllin, 5 lb bot..... lb	5.20	: 5.40			
Second Hands..... lb	4.75	: 4.90			
POTASH , CAUSTIC, solid 88-92%					
700 lb drs. wks.... lb		: .07 1/4			
Imp., 88-92% 700 lb dra. NY.. lb		: .07 3/4			
USP, by alcohol 5 lb cans.... lb	.46	: .48			
cases..... lb	.30	: .35			
POTASSIUM Acetate, USP, 100 lb					
kegs..... lb	.29	: .30			
Bicarbonate, crys. 320 lb bbls. lb	.10	: .10 3/4			
Bichromate, crys., 900 lb cases. lb		: .08%			
Powd., 900 lb cases wks.... lb		: .12			
Binoxalate, 300 lb bbls.... lb	.25	: .28			
Import, 112 lb bbls.... lb	.18	: .20			
Bisulfate, C.P., 5 lb cans.... lb		: .30			
100 lb kegs..... lb		: .22			
Bromate, 100 lb cs..... lb		: .75			
BROMIDE , USP, cryst. 450 lb					
bbls..... lb	.47	: .48			
Granular, 300 lb bbls.... lb	.47	: .48			
Cases, 100 lb..... lb		: .49			
Imported, USP, 220 lb cs.... lb	.42	: .44			
CARBONATE , 80-85% calc.					
800 lb cks..... lb	.05	: .05 3/4			
80-85%, hydrated. 800 lb					
cks..... lb	.05	: .05 3/4			
90-95% calc. cases.... lb	.05%	: .06			
96-98% calc. cases.... lb	.05%	: .06			
99% calc. cases.... lb	.06%	: .07			
USP 100 lb kegs..... lb	.12 3/4	: .13			
99% CP cases.... lb		: .12 3/4			

Largest producers of Pure Phthalic Anhydride in the world

**SELDEN**

99.99+ % Pure.

Brand PHTHALIC ANHYDRIDEis the Product by which all other
Brands may be Standardized.**IT-IS-PURE**

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY
Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04%	.06	QUININE—(continued)		
Lump, bags	.03%	.05	Tartrate	.88	
Powdered, 350 lb bbls. lb	.02%	.03	Valerate	.89	
Pyridine, 50 gal. drums	3.95	4.00	Small Sizes 100 vials or cans,		
QUICKSILVER, see Mercury			500z lots, 5c on extra; 50z cans,		
Quinidine Alk., 1000s tins. oz	.75		500z lots 3c on extra; 250z cans,		
Sulfate, 100 oz. tins. oz	.50		500z lots, 2c on extra; single 100		
Quinidine, see Chinoidin			vials or cans, 5c extra. All minor		
QUININE SULFATE, USP,			quinine salts sold and quoted basis		
American, 100 oz. tins. oz	.50		1000z lots in 1000s cans. Sulfate		
100 tins, 1000s lots. oz	.37		and bisulfate sold basis 1000z		
Dutch, 1000s tins. oz	.50		lots in 1000z cans. Smaller orders		
Java, 1000s tins. oz	.50		or containers extra as above		
Japanese, 1000s tins. oz	.50		schedule		
QUININE SULFATE, USP,			R SALT, 250 lb bbls. wks. lb	.49	.50
Acetate	.88		Red Lead, see lead oxide		
Arsenate	.88		Red Precipitate, see mercury		
Benzoate	.88		Resorcinol, see resorcinol		
Bisulfate, USP	.50		Resorcinol tech, 100 lb bags. lb	1.35	1.50
Citrate	.62		USP 25 lb cans. lb	3.25	3.35
Dihydride, USP	.66		Rochelle Salt, USP, 225 lb bbls. lb	.20	.21
Dihydride, USP	.66		Imp. USP, 300 lb bbls. lb	.20	.20
Dicarbonate, 100s tins. oz	2.50		Rosewater, triple, 5 gal. demis. gal	.90	1.10
Ethyl Carbonate, 160s. tins. oz	.91		Rotten Stone, lump imp., bbls. lb	.07	.08
Ferrocyanide	.88		Lump selected, bbls. lb	.09	.12
Formate	.85		Powdered, bbls. lb	.02	.05
Glycerophosphate	.88		Domestic, bags, mines. ton	24.00	30.00
Hydride, USP	.88		SACCHARIN, USP, 1 lb cans, 25 lb		
Hydrobromide, USP	.62		B. lb	1.90	2.10
Hydrochloride, USP	.62		Soluble, USP, 1 lb cans, 25 lb. lb	1.90	2.10
Hydrochlorosulfate	.88		Sal Ammoniac, see Ammon. Chloride		
Hydride & Urea, USP. lb	.88		Sallcin, USP, 1 lb cartons, 25 lb. lb	4.75	5.00
Hydrophosphate	.88		Salol, USP, 100 lb drums. lb	.75	.80
Lactate	.78		Salt, Common, see sodium chloride		
Phenolsulfonate	.88		Salt Cake, c/l f.o.b. wks. ton	12.00	22.00
Phosphate	.74		SALT PETRE, Double Refined		
Sallylate, USP	.63		Granular, 400-500 lb bbls.		
Tannate, USP	.45		c/l wks. lb	.06	
			Less c/l works. bbls. lb	.06%	
			Large Crystals, 350-400 lb bbls.		
			c/l wks. lb	.07%	
			Small Crystals, 350-400 lb bbls.		
			c/l wks. lb	.07	
			Powdered, bbls, c/l wks. lb	.07	
			Imported, 500 lb bbls. NY. lb	.06%	

Santonin, USP, 1 lb bot. lb	150.00	153.00
Powd. 1 lb bot. lb	153.00	157.00
Saponin, ex Quillaja, 5 lb tins. lb	.90	1.10
Satir. White, 500 lb bbls. lb	.01%	.01%
Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Seopalamine, see hysocine		
Seldin Mixture, 225 lb bbls. lb	.16%	.16%
SILICA		
Crude, bulk, masses. ton	10.00	12.00
Refined, floated, bags. ton	18.00	30.00
Air floated, bags. ton	32.00	50.00
Extra, floated, bags. ton	55.00	65.00
SILVER, metal, American. oz		.69%
Foreign. lb		2.80
Colloidal, 16oz bot. oz		.69
Silver Iodide, 16oz bot. oz		.34
Nitrate, 16 oz. bot. oz		.38
Nucleinate, 16oz bot. oz		.34
Protein, 16oz bot. oz		.38
Soap, Castile, 40 lb bxs. lb	.20	.25
Powd. USP, 250 lb bbls. lb	.28	.29
Green, USP, 150 lb bbls. lb	.07	.07%
Soapstone, see Talc, crude		
SODA ASH, 58% light		
1-4 bags, deliv'd NY. 100 lb		2.19
5 & Up bags, deliv'd NY. 100 lb		2.04
1-4 bbls., deliv'd NY. 100 lb		2.44
5 & Up bbls., deliv'd NY. 100 lb		2.29
Contract, Basis 58% bags c/l		
wks. 100 lb		1.38
Prompt and spot, Basis 58% bags		
c/l wks. 100 lb		1.48
Contract, Basis 58% dense bags		
c/l wks. 100 lb		1.45
Prompt and spot, Basis 58% bags		
c/l wks. 100 lb		1.55
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY. 100 lb		3.91
5 & Up drums deliv'd NY. 100 lb		3.76
Ground & Flake, 76%		
1-4 drums, deliv'd NY. 100 lb		4.31
5 & Up drums deliv'd NY. 100 lb		4.16
1-4 bbls. deliv'd NY. 100 lb		4.56
5 & Up bbls., deliv'd NY. 100 lb		4.41
Contract basis 76% c/l wks.		
100 lb		3.10

A Record for Quality Founded upon Performance



[Diamond Caustic Soda
is guaranteed
over 98% pure]

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Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



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Chemicals

SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks.100 lb	...	3.20
Contract 74% low grade c/l wks. flat100 lb	...	3.02
Ground & flake, 76% pmpt. and spot, wks. c/l drs. ....100 lb	...	3.60
Contract 76% drums c/l wks. flat ....100 lb	...	3.50
USP, stick, 10 lb cans. ....lb	.19	.21
Pure, stick, by alcohol. ....lb	.25	.27
SODIUM ACETATE, crys. 450 lb bbls.		
Aluminate, 500 lb bbls, wks. ....lb	.04%	.05%
Aluminum Sulfate, see alum. soda	.07%	.08
Arsenite, 4 lb mat. wks. drums. gal	.60	.60
Drums, 8 lb material, wks. gal	1.00	1.20
Benzonate, USP, 100 lb bbls. ....lb	.62	.65
Bicarbonate, 400 lb bbls. NY. ....100 lb	...	2.25
Bbls. c/l wks. ....100 lb	...	2.00
112 lb kegs wks. ....100 lb	...	2.25
112 lb kegs, NY. ....100 lb	...	2.50
Bichromate, 600 lb cans wks. ....lb	...	.06%
Cauks, c/l wks. ....lb	.06%	.06%
Cauks, NY. ....lb	.06%	.07
Bisulfite dry powder, 500 lb bbls., wks. ....lb	.04	.04%
Solution. 32-40°, 500 lb bbls wks. ....100 lb	1.25	1.75
Bromate, 100 lb cs. ....lb	...	1.05
BROMIDE, USP, 450 lb bbls.		
le/l NY. ....100 lb	.47	.49
Works c/l. ....100 lb	.47	.49
Imp. USP, 112 cs. ....lb	.44	.46
Cacodylate, USP, 5 lb. bot. 25 lb. ....lb	5.50	5.90
Carbonate, sal soda, 350 lb bbls. le/l NY. ....100 lb	1.30	1.35
Works c/l. ....100 lb	1.10	1.30
Monostrate, 400 lb bbl.	...	...
le/l NY. ....100 lb	...	2.40
Pur. photographic, 100 lb keg. ....lb	.06	.08
Chlorate, 112 lb kegs, wks. ....lb	...	.06%
Imported, 112 lb kegs. ....lb	.06%	.06%

SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	13.00
C. P., 300 lb bbls. ....lb	.05	.06
Chromate, 800 lb bbls. ....lb	...	.08
Citrate, USP, IX, 50 lb kegs. ....lb	...	.59
USP, VIII, 50 lb kegs. ....lb	...	.52
Cyanide, 96-98%, 100 lb cases wks. ....lb	...	.22
Ton lots, wks. ....lb	...	.22
73-76%, 100 lb cases, wks. ....lb	...	.19%
125-128%, 200 lb cs. ....lb	.20	.20%
120-125%, 200 lb cs. ....lb	.17	.18
118-120%, 200 lb cs. ....lb	.16	.17
Fluoride, 300 lb bbls, wks. ....lb	.08%	.09%
Imp. 350 lb bbls. ....lb	...	.08%
Glycerophosphate, USP, cryst. 25 lb cases. ....lb	1.40	1.50
Powder, 25 lb tins. ....lb	1.45	1.60
Solution, USP, 25 lb tins. ....lb	1.05	1.15
Hydroxide, see Soda Caustic	...	...
Hypochlorite, Soln., 100 lb clys. ....lb	...	.05
14 1/4% soln., 50 lb clys. ....lb	...	.04
Hydrosulfite, 200 lb bbls. rob. wks. ....lb	.23	.24
For Strapping, 50 lb cans. ....lb	.35	.40
Hypophosphite USP 25 lb cans lb. ....lb	.70	.75
HYPOSULFITE, tech. pea crys.		
375 lb bbls. wks. ....100 lb	2.65	3.05
Bbls. c/l wks. ....100 lb	...	2.50
100 lb kegs wks. ....100 lb	2.75	3.35
Imp. ....100 lb	2.50	2.65
Granulated, bbls. wks. ....100 lb	2.90	3.30
Bbls. c/l wks. ....100 lb	...	2.75
Kegs, wks. ....100 lb	3.00	3.60
Regular crystalic. ....100 lb	2.35	2.65
Iodide, USP, 25 lb jars. ....lb	4.25	4.30
Metasulfate, 150 lb bbls. ....lb	.55	.70
Naphthionate, 300 lb bbls. ....lb	.59	.62
Nitrate, crude, 95%, 200 lb bags c/l NY. ....100 lb	...	2.40
Fufure, NY. ....100 lb	2.45	2.47%
Double Refined 400 lb bbls gran. c/l wks. ....lb	...	.04%
Nitrite, 500 lb bbls, wks. ....lb	.09	.09%
Bbls. spot, makers. ....lb	...	...
Imp. 650 lb cans. ....lb	.09%	.09%

SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfonate, 175 lb bbls., wks. ....lb	.25	.27
Oxalate, neutral, 100 lb kegs. ....lb	...	.39
Perborate, 275 lb bbls. ....lb	...	.23%
Imp. 225 lb drs. ....lb	...	.22
Peroxide, 200 lb cases. ....lb	.25	.27
Phosphate, di-sodium, tech. 550 lb bbls. ....lb	.03%	.03%
USP, gran. 275 bbls. ....lb	.07	.07%
Imp. gran. ....lb	.05%	.06
USP, recryst. 275 bbls. ....lb	.10	.11
Mono-sodium, 100 lb kegs. ....lb	.24	.26
Tri-sodium, tech., c/l bbls. ....lb	.03%	.04
Pieramate, 100 lb kegs. ....lb	...	.60
Para-Toluene Sulfonate, 175 lb bbls. ....lb	.08	.09
PRUSSIAN, yellow, 350 lb bbls. ....lb	.09%	.09%
Imp. 450 lb cks. ....lb	.09	.09%
Pyrophosphate, 100 lb kegs. ....lb	.24	.26
Saicylate, 100 lb kegs. ....lb	...	...
Second Hand's, USP, kegs. ....lb	.37	.40
Silicate, 60° 700 lb bbls., f.a.s. NY. ....100 lb	...	2.00
Works, 1000 lb drums. ....100 lb	...	1.90
Works, tanks. ....100 lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. ....100 lb	...	.80
Works, 1000 lb drums. ....100 lb	...	.85
Works, tanks. ....100 lb	...	.75
Spot. drums, bbls. ....100 lb	1.05	1.80
Silicofluoride, 450 lb bbls. NY. ....lb	.04	.04%
Sulfate, see Glauber's Salt	...	...
Sulfate, Anhydrous, 550 lb bbls. c/l wks. ....lb	.03%	.04
Imp. 250 lb bbls. ....lb	.02%	.03
Sulfide, 66% solid, 650 lb drs., le/l wks. ....lb	.04	.04%
Drs. c/l wks. ....lb	.03	.03%
Imp. 700 lb drs. NY. ....lb	...	...
60% broken, 650 lb drs. wks. ....lb	.04%	.05
Imp., 500 lb drs. NY. ....lb	.03%	.04
80% crys. 440 lb bbls. wks. ....lb	.02	.02%
Imp. 400 lb bbls.lb	.02%	.02%
Sulfite, crys. 400 lb bbls. wks.lb	.03%	.03%
Anhydrous, 400 lb bbls.lb	.09%	.10



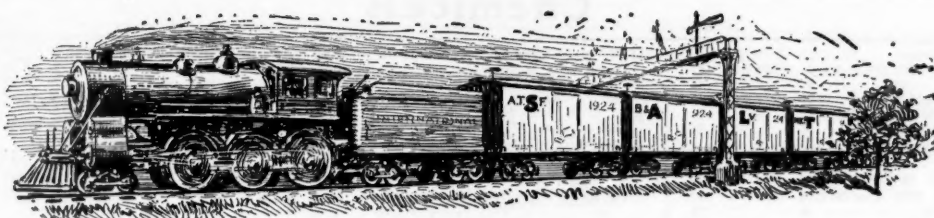
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KROMEKO YELLOW CGW

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PRICES CURRENT SECTION

Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/1 NY...		
Sulfocarbonate, USP, 100 lb kegs	.35	.37	18.00	19.09	
kegs	.35	.37			
Sulfocyanide, 400 lb bbls.	.45	.47			
Tungstate, crys, 100 lb kegs	.55	.60			
Anhydrous, kegs	.75	.75			
SOLVENT NAPHTHA, 110 gal.			Thiocarbamid, 170 lb bbls.		
dra. wks.	.20	.30	.27	.29	
8000 gal. tank cars wks.	.24	.35			
Spartan Sulfate, USP, 250 lb bulk	.30	.40			
Single oz. vial	.47	.47			
Starch, rice, 140 lb bags	.09	.10			
STRONTIUM Bromide, USP, 50 lb			Thymol, USP, 25 lb tins		
kegs	.52	.53	5.00	6.00	
Carb. 600 lb bbls, wks.	.07	.07			
100 lb kegs, wks.	.08	.08			
Iodide, USP, 35 lb jars	.40	4.00			
Nitrate, 600 lb bbls., wks.	.10	.10%			
Imp., bbls., NY	.09%	.09%			
Salicylate, USP, 100 lb kegs	.75	.80			
STRYCHNINE Alkaloid, USP, crys.			Tin, Metal Strata, NY...		
100 oz. tins	.51	.51	...	54.25	
Alk. powd., USP	.71	.71	...	53.50	
Acetate	.80	.80			
Glycerophosphate, USP	.80	.80			
Hydrobromide	.80	.80			
Hydrochloride	.80	.80			
Hydrophosphate	.80	.80			
Nitrate, USP	.80	.80			
Phosphate	.80	.80			
Sulfate, USP, crys. powd.	.57%	.57%			
Saccharinate	1.92	1.92			
Strychnine preparations quoted base			Toluene, 8000 gal tank cars, wks.		
1000s lots in 1000s tins. Small Stems:			...	.36	
3/4 oz vials, 50 extra; 1/4 oz vials, 25 extra;					
single ounce vials, 7c extra. Lots					
of 25 oz. 5c higher than above					
schedule. Lots of less than 25 oz.					
10c higher per oz.					
Sugar Coloring bbls.	.63	.72			
Sugar Milk, USP, 200 lb bbls.	.22	.22			
Second Hands, USP, bbls.	.19	.20			
Sulfonal, see Sulfonmethane					
Sulfonethylmethane, USP, 10 lb bbs.	3.55	4.05			
Sulfonmethane, USP, 10 lb bbs.	2.65	3.85			
Sulfur, crude bulk, c/1 NY...			Tribromphenol, 100 lb cases		
Crude, f.o.b. mines	14.00	15.00	...	1.00	
Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95			
Less c/1 bags NY	1.85	2.10			
Roll, 500 lb bbls, c/1 NY 100 lb	...	2.15			
Less c/1 bags NY	2.20	2.45			
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05			
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15			
Rubbermakers 100%, 240 lb	...	...	
bbls, NY	2.50	3.30			
Commercial, 99%, 150 lb bgs.	1.85	1.65			
NY	...	...	
For Dusting, 99%, 100 lb	2.00	2.50			
bgs NY	...	...	
Flowers 100%, 240 lb bbls.	3.00	3.55			
NY	.14	.17			
Precipitated, 125 lb bbls NY	.07	.10			
Lac, 125 lb bbls NY	.06	.07			
Sulfur Chloride, red, 700 lb dra.	...	...	
wks.	.06	.07			
150 lb chys. wks.	...	...	
Yellow, 700 lb dra. wks.	.05	.06			
150 lb chys. wks.	...	...	
Sulfur Dioxide, 100 lb cyl.	.08	.08%			
Iodide, USP, VIII, 5 lb bot.	...	4.55			
Sulfuric Ether, see Ether	.75	1.00			
Sulfuryl Chloride, 600 lb dra.	40.00	50.00			
TALC, Italian 220 lb bags NY	60.00	80.00			
Refined white, bags	30.00	35.00			
French, 220 lb bgs, NY	35.00	45.00			
Refined, white, bags	13.00	15.00			
Dom., crude, 100 lb bags NY	16.00	18.00			
Refined, 100 lb bags NY	.06	.08			
Tar, Coal Gas, Tks, wks.	.07	.08			
Coke Oven Tks, wks.	.06	.08			
Water Gas, Tks, wks.	.24	.25			
Tartar Emetic, tech. 700 lb bbls.	.31	.34			
USP, 300 lb bbls.	.60	.62			
Terpin Hydrate, USP, 100 lb kegs	.43	.50			
Terpinol, CP 1000 lb drums	.53	.57			
Cars, 50 lb	.95	1.20			
Imported, cans, 25 lb	1.65	1.85			
Terpenyl Acetate, 25 lb cans	1.85	1.90			
Terra Alba, No. 1, 300 lb bbls 100 lb	1.25	1.35			
No. 2, bbls.	4.00	4.10			
Theobromine Alk., 5 lb cans	...	3.42			
and Sod. Salicylate, 1 lb bot.	...	...	
Thiocarbamid, 170 lb bbls.			Tribromphenol, 100 lb cases		
.27	.29		...	1.00	
Thymol, USP, 25 lb tins	5.00	6.00			
Iodide, 5 lb boxes	7.25	7.50			
Tin, Metal Strata, NY...			Triacetin, 50 gal dra, wks.		
...	54.25		...	.37%	
American standard, NY, 100 lb	...	53.50			
99% American, NY, 100 lb	...	...	
Bichloride, 50% soln, 100 lb	.15	.15%			
bbls., wks.	...	.37%			
Crystals, 500 lb bbls, wks.	...	.38			
100 lb kegs, wks.	...	.56			
Oxide, 400 lb bbls, wks.	...	.58			
100 lb kegs, wks.	...	.30%			
Tetrachloride, 1000 lb dra. wks.	...	.14			
Titanium Oxide, bbls., wks.	1.00	1.10			
Toluidine, 350 lb bbls.	...	1.10			
Sulfate, 350 lb bbls.	...	.31			
Toluene, 8000 gal tank cars, wks.	...	.32			
110 gal. dra. wks.	...	.37%			
Toluidine, Mixed, 900 lb dra. wks.	...	1.00			
Triacetin, 50 gal dra, wks.	...	.80			
Tribromphenol, 100 lb cases	...	.85			
Trional, see Sulfonethylmethane	...	9.25			
Triphenylguanidine	...	.18			
Triphenyl Phosphate, 450 lb bbls.	...	.49%			
Tripoli, 500 lb bbls.	2.50	3.00			
Tungsten NY	...	.50			
Ultramarine Blue	...	.51			
UREA, pure, 112 lb cases	...	.50			
VANILLIN, USP, 500 oz cans	...	.47			
Cans, 80 oz.	...	.05			
Cans, 16 oz.	...	1.30			
Second Hands	...	1.85			
Venetian Red	...	1.85			
Verdigris, see Copper Subacetate	...	...	
Vermilion, Amer. 100 lb kegs	...	...	
English, kegs	...	...	
Veratrine Sulfate, 100 vial	...	...	
Veronal, see Acid Diethylbarbituric	...	...	
WHITE LEAD, see lead, white	...	...	
White Precipitate, see mercury	...	...	
Whiting, 200 lb bags, c/1 wks.	13.00	15.00			
Bags, 1c/1 NY	...	18.00			
Whitewash, bags, NY	13.50	15.00			
French, bags, NY	...	18.00			
English, bags, NY	...	21.00			
Witch Hazel Extract, 50 gal. bbls.	1.05	1.10			

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Chemicals

XYLENE, 3° dist range, nitration	.45	.50
ths. wks.gal		
110 gal. drs. NY.....gal	.50	.55
5° dist. range, 8000 gal. tanks		
ths. wks. ....gal	.35	.40
110 gal. drs. wks. ....gal	.40	.45
10° dist. range, drums, wks. ....gal	.35	.40
Tanks, wks. ....gal	.25	.28
Commercial 110 gal. drs., wks. ....gal	.30	.31
Tanks, wks. ....gal	.25	.26
Xylidine .....lb	.40	.45
YARA YARA, 1 lb tins. ....lb	1.75	2.60
Zobimbin Hydrochloride, 1 oz. vial. oz	3.00	3.57
ZINC, METAL, high grade, slabs		
c/l NY .....100 lb	8.25	
Common Slabs, c/NY.....100 lb	7.12½	7.15
Mossy, 25 lb bars NY.....lb		.14
Ammonium Chloride, powder, 400 lb		
bbls. ....lb	.07½	.08
Carb. tech. 150 lb kegs NY.....lb		.20
USP, 100 lb kegs .....lb		.33
Chloride, fused, 600 lb drs. wks. ....lb		.06
Drs. c/l wks. ....lb	.04½	.05
Granulated, 500 lb bbls. wks. ....lb	.07	.07½
Imported, drs. NY .....lb	.06¾	.06½
Sonolion, 50% tanks wks. ....100 lb	2.35	2.50
USP, 25 lb jars .....lb	.27	.29
Cyanide, 100 lb drs. ....lb	.40	.41
Dust, 100 lb tins, wks. ....lb	.09	.09½
500 lb bbls., kegs, lc/l wks. ....lb		.08½
500 lb bbls., kegs, c/l wks. ....lb		.08
Iodide, 5 lb bots. ....lb		5.28
Nitrate, 25 lb jars .....lb		.45
Oxide, Amer. 300 lb bbls. wks. ....lb	.08½	.08½
French, 300 lb bbls. wks. ....lb	.10½	.12½
Bbl c/l wks. ....lb	.09½	.11½
Bags, c/l wks. ....lb	.09½	.10½
USP, 100 lb bbls. c/l .....lb		.17
Ten lots, wks. ....lb		.18
Imported, white seal, bbls. ....lb		.12
Green seal, bbls. ....lb		.10
USP 100 lb bbls. ....lb		.19½
Stearate, USP, 50 lb bbls. ....lb	.18½	.19
Sulfate, 400 lb bbls., wks. ....lb	.03½	.03½
Bbls, c/l wks. ....lb		.03
USP, 100 lb kegs .....lb	.08	.09
Sulfide, 500 lb. bbls. ....lb	.30	.35
Sulfocarbonate, 100 lb kegs .....lb	.32	.35

Oils

Castor, No. 1, 400 lb bbls. ....lb	.17½	.18
80 lb cases .....lb		.18½
No. 3, bbls. ....lb	.17	.17½
Blown, 400 lb bbls. ....lb		.19
China Wood bbls., spot NY.....lb	.15½	.16
Tanks, Spot, NY.....lb		
Nov., Dec. forw. arr. NY bbls. ....lb	.15½	.16
Nov. forward, arrival NY tanks. ....lb		
Oct., ths., Nov., Dec. forw. ....lb	.13½	.14
Coconut Ceylon, 375 lb bbls., NY. ....lb	.11½	.11½
8000 gal. tanks, NY.....lb	.10½	.10½
Cochin, 375 lb bbls., NY.....lb	.12	.12½
Tanks, NY .....lb		.11½
Manila tanks, P. Coast. ....lb	.09½	.09½
Manila, tanks, NY.....lb		.10½
Edible, bbls., NY.....lb	.12½	.13
Cod Newfoundland, 50 gal. bbls. ....gal	.62	.65
Tanks, NY .....gal	.55	.57
Copra, bags .....lb	.06	.06½
Corn, ref., 375 lb bbls., NY.....lb		.13
Crude, tanks mills .....lb		.10
Bbls., NY .....lb		.12
Cottonseed, crude, tks., mill. ....lb	.08¾	.09
P. S. Y., 100 bbls., NY.....lb	.11	.11½
White, 100 bbls. lots, NY. ....lb		
Winter yellow, 100 bbls., NY. ....lb	.12½	.13
Degras, Amer. 50 gal. bbls., NY. ....lb	.04½	.04½
English, light, bbls., NY.....lb		.05½
Brown, bbls., NY .....lb	.04	.04½
Light brown, bbls., NY. ....lb	.04½	.05
Dark, bbls., NY .....lb	.03½	.04
Neutral, bbls., NY .....lb	.10	Nom.
Mcillon, bbls., NY .....gal		.50
Greases, choice white, bbls., NY. ....lb	.12½	.13
Yellow .....lb		.09
Brown .....lb		.08½
House .....lb	.09½	.09½
Bone naphtha .....lb		.07
Herring, Tanks, Coast .....gal		Nom.
Horse, 375 lb bbls., NY.....lb		Nom.
Lard, prime steam, bbls. ....lb	.15½	.16
Compounds, bbls. ....lb		.13

LARD OIL, Edible prime, bbls. ....lb		.18½
Off prime, bbls. ....lb		.17½
Extra, bbls. ....lb		.15½
Extra No. 1, bbls. ....lb		.13½
No. 1, bbls. ....lb		.13
No. 2, bbls. ....lb		.12½
LINSEED, raw c/l bbls., spot. ....gal	1.10	1.11
Five bbls., raw .....gal		1.13
Boiled, 5 bbl. lots .....gal		1.15
Double boiled, 5 bbl. lots .....gal		1.16
Raw, lc/l bbls. ....gal		1.13
Nov., c/ wks. ....gal		1.04
Dec., Mar., c/l wks. ....lb	1.07	1.08
Imported, bbls., NY .....gal		1.06
Tanks, NY .....gal		1.07
Menhaden, crude bbls., wks. ....lb		
Crude, tanks, Rail. ....gal	.57½	.60
Light strained, bbls., NY.....gal	.70	.72
Yellow, bleached, bbls., NY.....gal	.73	.75
Extra bleached, bbls., NY.....gal	.75	.77
Blown, bbls., NY .....gal		
Neatsfoot, 20° c.t. bbls., NY.....lb		.18½
Pure, bbls., NY .....lb		.18½
Extra, bbls., NY .....lb		.13½
No. 1, bbls., NY .....lb		.13
Oleo Oil, No. 1, bbls., NY.....lb	.20½	.21
No. 2, bbls., NY .....lb		.13
No. 3, bbls., NY .....lb		.16½
OLIVE, denatured bbls., NY.....lb	1.30	1.35
Edible, bbls., NY .....gal	2.15	2.25
Foots, bbls., NY .....gal	.09½	.09½
Shipments .....lb	.09½	.09½
Palm Lagos, 1500 lb casks. ....lb	.09½	.10
Niger casks .....lb	.08½	.09
Bonny old Calabar, casks. ....lb		Nom.
Palm Kernel, bbls., NY.....lb	.10½	.10½
Peanut, refined, bbls., NY.....lb	.17	.17½
Crude, mills buyers' tks.lb		
Crude, bbls., NYlb		
Perilla, bbls., NYlb	.14½	.14½
Poppyseed, bbls., NYgal	2.25	2.50

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Soda Ash
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Glauber's Salt
Tri Sodium Phosphate
Sodium Bicarbonate
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What is said of our Services!

Messrs. Gebr. Waanning Tilly, from Haarlem (Holland)
write to us on the 23rd of October, 1923:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trade-mark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dorner G. m. b. H., from Solingen (Germany)
write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

P. LODGE & CO.

Patent and Trade Mark Agents

POST BOX NO. 6772

CALCUTTA, INDIA

Oils and Fertilizers

Rapeseed, refined, bbls., NY.....gal	.99	: 1.00	Ammon. Sulf., bulk wks.....100 lb	2.70	: 2.80	Rosin Oil, first run, 50 gal. bbls. gal	...	: .45
Blown, bbls., NY.....gal	1.06	: 1.08	Double, bgs., f.a.s. NY.....100 lb	...	: 3.00	Second run, bbl.....gal	...	: .47
Red Oil, distilled, bbls.....lb	.10%	: .11%	Single, bgs., wks.....100 lb	...	: 2.90	Tar, kiln-burnt.....bbl	12.00	: 12.50
Saponified, bbls.....lb	.10%	: .11%	NITRATE SODA, spot.....100 lb	...	: 2.40	Retort.....bbl	...	: 11.50
Tanks.....lb	.10	: .10%	Future, Jan-Mar.....100 lb	2.45	: 2.47%			
Salmon, 8000 gal. tks. Coast.....gal	...	...	Phosphate Rock, f.o.b. mines.....ton	...	: 2.25			
Sesame, edible, bbls.....lb	.14	: .14%	Florida Pebble, 68%.....ton	...	: 2.50			
Sod Oil, bbls., NY.....gal	...	: .40	Florida Pebble, 70%.....ton	...	: 2.50			
SOYA BEAN, crude, tks., Coast.....lb	...	: .11%	Florida Pebble, 75-74%.....ton	...	: 3.75			
Crude, tks., NY.....lb	...	: .12%	Tennessee, 72%.....ton	...	: 5.50			
Crude, bbls., NY.....lb	.13%	: .14	Phosphate Acid, 16% Bulk wks.....ton	...	: 9.00			
Refined, bbls., NY.....lb	...	: .14	Pot. Murate, 80% basis, bgs/ton	...	: 34.55			
Sperm, 38° c.t. bichd. bbls. NY. gal	.92	: .93	Pot. Sulfate, 90% basis, bgs/ton	...	: 45.85			
45° cold test, bichd. bbls. NY. gal	...	: .90	Urie Manure Salts 4% basis.....ton	...	: 26.35			
STEARIC ACID, s.p. 200 lb bags.....lb	...	: .11%	Manure Salts, 30% basis, bulk ton	...	: 17.03			
Double pressed, bags.....lb	.12	: .12%	Manure Salts, 20% basis, bulk ton	...	: 10.55			
Double pressed, bgs., saponified.....lb	.12	: .12%	Kainite, 12.4% basis, bulk ton	...	: 7.75			
Triple pressed, bgs., distilled.....lb	.14	: .14%	Bulk in bags, \$2.00 extra	...	...	
Triple pressed, bgs., saponified.....lb	.14	: .14%	Prices c.i.f. Atlantic & Gulf Ports	...	...	
Stearine, oleo, bbls.....lb	.11%	: .11%	Diacounia, 50 tons, 5%; 500 tons, 10%.	...	...	
Tallow, edible, tierces.....lb	.11	: .11%						
City, extra loose.....lb	.10	: .10%						
Tallow Oil, acidless tks., NY.....lb	...	: .11%						
Bbls., c/l NY.....lb	...	: .12%						
Walnut, crude bbls., NY.....lb	...	...				
Whale, nat. winter bbls., NY.....gal	...	: .77						
Bleed, winter bbls., NY.....gal	...	: .81						
Extra Bleed, bbls., NY.....gal	...	: .83						
Crude, No. 1, tanks Coast.....gal	...	...				
Crude, No. 2, tanks Coast.....gal	...	...				
Crude, No. 3, tanks Coast.....gal	...	...				

Fertilizer Materials

Blood, dried, f.o.b. NY.....unit	...	: 3.70
Chicago.....unit	...	: 3.75
Bone, 3 & 50 gr. steam, Chgo.....unit	23.00	: 23.00
Raw, NY.....ton	...	: 33.00
Cyanamide, NY, basis.....unit	1.85	: 1.75
Fish Scrap, dried wks.....unit	4.90	: 10
Norfolk & Balt. basis.....unit	4.00	: 50
Steamed Bone Meal, 3 & 50 Balt. ton	...	: 28.00
Tankage, ground, NY.....unit	3.25	: 10
High grade f.o.b. Chicago.....unit	3.10	: 10

Naval Stores

(Caribbean ex-ward N. Y.)		
Spirits Turpentine, bbls.....gal	.84	: .85
Wood Turpentine, stm. distd. bbls. gal	...	: .79
Destructive distilled, bbls.....gal	...	: .68
Pine Oil, stm. dist. bbls.....gal	...	: .66
Pitch, prime.....bbl	...	: 5.50
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)		
B.....280 lb	...	: 7.60
D.....280 lb	...	: 7.60
E.....280 lb	...	: 7.60
F.....280 lb	...	: 7.60
G.....280 lb	...	: 7.60
H.....280 lb	...	: 7.60
I.....280 lb	...	: 7.60
K.....280 lb	...	: 7.60
M.....280 lb	...	: 7.70
N.....280 lb	...	: 8.00
WG.....280 lb	...	: 9.35
WW.....280 lb	...	: 9.75

Dye and Tan Woods

Barwood, chips.....lb	.04%	: .05
Camwood, chips.....lb	.09	: .19
Diri Diri, pods, bags.....ton	42.00	: 44.00
Fustic, sticks.....ton	30.00	: 32.00
Chips.....lb	.04	: .08
Hemlock, bark.....ton	...	: 20.00
Hyperic. chips.....lb	.08%	: .11
LOGWOOD, sticks.....ton	23.00	: 27.00
Chips 150 lb bags.....lb	.03	: .08%
Mangrove bark, African.....ton	...	: Nom.
Hyrotalams, bags J1.....ton	45.00	: 47.00
R1.....ton	42.00	: 44.00
J2.....ton	42.00	: 44.00
Nutgalls, see Crude Drugs		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Slcity, 160 lb bags.....ton	17.00	: 175.00
Virginia, 150 lb bags.....ton	40.00	: 45.00
Valonia Cups, 30-31% tan.....ton	32.00	: 33.00
Beard, 42% tan, bgs.....ton	...	: 50.00
Mixtures, 36% tan.....ton	37.00	: 38.00
Wattle bark, bgs.....ton	37.00	: 39.00

Extracts

Range of prices includes quality range for large quantity.		
Annatto, fine.....lb	.23	: .30
Archil, double 600 lb bbls.....lb	.13	: .14
Triple, 600 lb bbls.....lb	.16	: .17
Cunc., 600 lb bbls.....lb	.18	: .20

CENTRAL DYESTUFF & CHEMICAL COMPANY

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Tannins and Dyestuffs

Cashew, clarified, 25% tks. wks. D	.01%	.01%
Bbls., wks. D	.02%	.03
Powd., 60% 100 lb bags, wks. D	.05%	.05%
Decolorized, bags, wks. D	.06%	.07
Cudbear, English D	.18	.20
Catch, Rangoon, 100 lb bales D	.14	.16
Borneo, solid, 100 lb bales D	.04%	.05%
Liquid, 450 lb bbls. D	.07%	.11
Tablets, 120 lb boxes. D	.13	.14
Flavine D	.95	1.00
Fustic, solid 50 lb boxes D	.14	.20
Crystals, 100 lb boxes D	.20	.22
Liquid, 51°, 600 lb bbls. D	.10	.14
Gall extract D	.16	.18
Gambier, 25% liq. 450 lb bbls. D	.14	.16
Common, 200 lb cases D	.18%	.19
Singapore cubes, 150 lb bags. D	.23	.25
HEMATINE, Paste, 500 lb bbls. D	.09%	.13
Crystals, 400 lb bbls. D	.12	.20
*emlock, 25% 600 lb bbls. wks. D	.03%	.03%
Hyperic, 51°, 600 lb bbls. D	.16	.18
Indigo, Madras, bbls. D	.85	.90
Manila, bbls. D	...	1.30
Larch, 25%, 600 lb bbls., wks. D	.03%	.04
Powd. 100 lb bags, wks. D	.07	.08
Lagwood, 51°, 600 lb bbls. D	...	.09
Lower grades D	.07	.08
Solid, 50 lb boxes D	.09	.15
Madder, Dutch D	.28	.30
Mangrove, 55% 400 lb bbls. D	.04%	.05
Myrobalsam, 25% liquid bbls. D	.04	.05
50% solid, 50 lb boxes D	.05	.05%
Oak, tanks, wks. D	.04	.04%
23-25% liq. 600 lb bbls. wks. D	.04%	.04%
Orange Oranges, 51° liquid D	.07	.08
Powd. 100 lb bags D	.14	.15

Peruvian Berries D	.37	.30
QUEBRACHO, 35% liquid tks. D	.03	.03%
450 lb bbls. D	.03%	.04
35% bleaching, 450 lb bbls. D	.04%	.05%
Solid 65% 100 lb bales D	...	.04%
Clarified, bales D	...	.05
Quercitron, 51° 450 lb bbls. D	.06	.08
Powdered, 100 lb boxes D	.09	.13
Spruce, 25% liquid tanks wks. D	.01	.01%
Powd. 50% 100 lb bags wks. D	.02	.02%
Sumac, liquid 450 lb bbls. D	.06	.07%
Stainless, 600 lb bbls. D	.11	.13

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	...	1.35
Blood, 100 lb drs. D	.45	.50
Egg Yolk, Spray, 150 lb cs. D	.45	.65
British Gum, 140 lb bags c/1 100 lb	...	4.82
Bags, c/1 D	...	4.92
Dextrin, corn 140 lb bags c/1 100 lb	...	4.52
Bags, c/1 D	...	4.62
Yellow, bags c/1 D	...	4.57
Bags, c/1 D	...	4.67
Potato 220 lb bags c/1 D	...	.08
Bags, c/1 D	...	.08%
Yellow, 220 lb bags D	...	.07%
Tapioca, 200 lb bags, c/1 D	.09	.09%
Prussian blue D	.35	.40
Sago Flour, 150 lb bags D	...	.03%
STARCH, powd. 140 lb bags c/1 100 lb	...	3.87
Bags, c/1 D	...	4.07
Pearl, 140 lb bags c/1 D	...	3.87
Bags, c/1 D	...	3.87
Potato, domestic, 200 lb bags. D	.05%	.06
Imported, bags duty paid. D	...	.06%
Tapioca Flour, high grade bags. D	.06	.06%
Medium grade bags D	.05%	.05%
Low grade, bags D	.04	.05
Turkey Red Oil, bbls. D	.11	.12
Yolk Oil, bbls. D	...	.35

Crude Drugs

Accroides Gum, yel. D	.18	.30
ACONITE leaves, bales D	.10	.12
Root, USP, bags D	.35	.37
Agar Agar, 1, 200 lb bales. D	1.55	1.60
No. 2, bales D	...	1.50
No. 3, bales D	...	1.35
Agaric, white, cases D	2.75	3.00
Almonds, bitter, bags tks. D	.60	.65
Sweet, bags D	.57	.60
Meal, tins, boxes D	.34	.36
Aletris Root, bags D	.42	.44
Alkanet Root, bags D	.06	.06%
Alcea, Barbadoes, 120 lb bbls. D	.65	.70
Cape, 400 lb cases D	.09	.09%
Curacao, 100 lb cases D	.10%	.11
Socotrine, whole, 100 lb cs. D	.25	.30
Select, cakes, D D	.35	.37
Althea Root, cut cases D	.28	.30
Whole bags D	.11	.12
Ambergris, black boxes D	8.00	10.00
Grey, boxes D	...	26.00
Ammoniac, tears, bags D	.68	.73
Angelica Root, dom. bags D	.12	.13
Angelica Bark, bags D	...	.15
Anise, Levant bags D	...	.16
Russian, bags D	.13	.14
Star, cases D	.11	.11%
Spanish, bags D	.14%	.15
Annatto Seed, 200 lb bags. D	.22	.23
ARABIC GUM, D	...	...
White, No. 1, 200 lb bags. D	.26	.27
Seconds, 250 lb bags D	.34	.35
Sorts, amber, 200 lbs. bbls. D	.12%	.13
Powd., USP, 300 lb bbls. D	.18	.20
Arca Nuts, 150 lb bags. D	.21	.23
Powd., 200 lb bbls. D	.25	.26
Arnica Flowers, bales D	.08	.08%
Root, bags D	.25	.30
Arrowroot, Amer., powd. bbls. D	.10%	.11
St. Vincent, powd., bbls. D	.14%	.15
Asafetida, USP, 250 lb cases. D	.34	.36
Powd., 50 lb bxs. D	.38	.40
BALM GILEAD BUDS, bags. D	.45	.50
Balmory Herbs, bales. D14

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9 South Clinton Street

CHICAGO, ILL.

Crude Drugs

BALSAMS								
Copaiba, Para, 80 lb cs.....	D	.35 : .37	Canella Alba Bark, bales.....	D	.53 : .55	Cinnamon, Ceylon, bales.....	D	.35 : .37
South American, 80 lb cs.....	D	.43 : .44	Cannabis, true Imp. bags.....	D	... : ...	Broken, bales.....	D	.24 : .26
Peru, 120 lb cs.....	D	1.00 : 1.10	American (no assay) bales.....	D	.35 : .40	Svet, Abyssin Lorns.....	oz.	2.75 : 3.75
Foru, 120 lb cs.....	D	1.95 : 2.05	... ..	D	.50 : .70	Clover Tops, bags.....	D	.17 : .18
Tolu, 50 lb cs.....	D	1.65 : 1.80	Cantharides, Chinese cases.....	D	.95 : 1.00	Cloves, Zanzibar, 135 lb bales.....	D	.30 : .31
Bamboo Brier Root, bags.....	D	.05 1/2 : .06	Powdered, boxes.....	D	1.15 : 1.20	Ambogynas, bales.....	D	.30 : .31
Barberry Bark, tree bales.....	D	.11 : .13	Cantharides, Russian, cases.....	D	.80 : .85	Penang, bales.....	D	.40 : .42
Root, bags.....	D	... : ...	Powdered, boxes.....	D	1.00 : 1.10	Cochineal, USP, boxes.....	D	.45 : .47
Bayberry Bark, bales.....	D	.10 : .12	Caraway Seed, African, bags.....	D	.09 1/2 : .10	Coca Leaves, Huancayo bags.....	D	... : ...
Wax, bbls.....	D	.20 : .21	Dutch, 11 lb bags.....	D	.10 : .10 1/2	Truxillo, bags.....	D	... : ...
Beladonna Leaves, bales.....	D	.26 : .27	Cardamom, bleach, cases.....	D	2.00 : 2.25	Cohosh Root, Black bags.....	D	.08 : .08 1/2
Root, bags.....	D	.13 : .14	Decorticated, cases.....	D	1.90 : 2.00	Blue, bags.....	D	.10 : .10 1/2
Bees Wax, white cases.....	D	.40 : .42	Green, grinding, bags.....	D	1.50 : 1.60	Cochineal Root, bags.....	D	.07 : .08
Yellow, refined, cases.....	D	.25 1/2 : .28	Carnauba Wax, Flor. bags.....	D	.39 : .42	Seed, bags.....	D	.17 : .19
Crude, bags.....	D	.23 : .25	No. 1 N Country bags.....	D	.34 : .56	Colocynth, apples, cases, bales.....	D	... : ...
Benzoin Gum, Siam, boxes.....	D	1.30 : 1.35	No. 2 N Country bags.....	D	.28 : .30	Pulp, USP, bales.....	D	.28 : .30
Sumatra, 80 lb boxes.....	D	.25 : .27	No. 3 Fatty Gray, bags.....	D	.22 : .23	Colombo Root, whole bags.....	D	.03 : .03 1/2
Berberis Aquifolium Root, bags.....	D	.14 : .15	No. 3 Chalky, bags.....	D	.22 : .23	Coltsfoot Leaves, bags.....	D	.05 : .06
Both Root, bags.....	D	.28 : .30	Cascara Amarga, 150 lb bales.....	D	... : 2.50	Comfrey Root, bags.....	D	.13 : .14
Ritter Root, 100 lb bags.....	D	.40 : .42	Cascara Sagrada, bales, 1920-22			Condurango Bark, bales.....	D	.17 : .20
Blackhaw Bark, root, bales.....	D	.33 : .34	bark.....	D	.26 : .28	Conium Seeds, bags.....	D	.12 : .14
Tree, bales.....	D	.15 : .16	1923 bark.....	D	.21 : .24	Copaiba Balsam Para, see Balsams		
Black Indian Root, 100 lb bags.....	D	.40 : .42	1924 bark.....	D	.14 1/2 : .15	Copal Gum.....	D	.12 : .13
Blood Root, bags.....	D	.14 : .15	Cascarilla Bark, quills bales.....	D	... : ...	Coriander Seed, Bombay bales.....	D	.06 : .06 1/2
Blueflag Root, bags.....	D	.27 : .30	Siftings, bbls.....	D	.12 1/2 : .13	Morocco, bags.....	D	.07 : .07 1/2
Boldo Leaves, bales.....	D	.20 : .21	Cassia Buds, 66 lb cases.....	D	.07 1/2 : .08	Bleached, bales.....	D	.10 1/2 : .11
Bonsect Herb, bales.....	D	.08 : .09	China, Whole Balls, cases.....	D	.30 : .31	Corn Silk, bales.....	D	.04 1/2 : .05 1/2
Boneless Flowers, bales.....	D	.17 : .20	Saigon, assort. bales.....	D	.09 : .10	Cotton Root Bark, bales.....	D	.14 : .15
Bryonia Root, bags.....	D	.10 : .11	Cassia Fistula, baskets.....	D	... : ...	Cowhage, oz. tins.....	oz.	.55 : .55
BUCHU LEAVES, short, 250 lb			Castile Soap, USP, powd., 200 lb			Cramp Bark, so-called bales.....	D	.07 : .08
bales.....	D	.78 : .80	bbls.....	D	.27 : .28	True, bags.....	D	.30 : .32
Long, bales.....	D	.83 : .85	Castor Beans, bags.....	D	.03 : .03 1/2	Cranesbill Root, bags.....	D	.16 : .18
Buckthorn Bark, bags.....	D	.05 : .05 1/2	Castoreum, 1 lb bot.....	D	4.00 : 4.50	CUBES BERRIES, XX bags.....	D	.60 : .65
Burdock Root, bags.....	D	.13 : .16	Catechu Gum, bags.....	D	.11 : .12	Powdered, boxes.....	D	.63 : .65
Burgundy Pitch, dom., 110 lb stands			Catnip Herb, bales.....	D	.23 : .29	Culvers Root, bags.....	D	.22 : .23
Gross for net.....	D	... : .05	Celery Seed, bales.....	D	.30 1/2 : .31	Cumin Seed, Levant bags.....	D	.20 : .22
Calabar Beans, bags.....	D	... : ...	Ceresin Wax, white bags.....	D	.10 1/2 : .11	Malta, bags.....	D	.19 : .19 1/2
Calamus Root, bleached cases.....	D	.33 : .35	Yellow, 200 lb bags.....	D	.09 : .10	Morocco, bags.....	D	.18 : .18 1/2
Unbleached, bags.....	D	.06 : .07	CHAMOMILE FLOWERS, Roman			Cuttlefish Bone, Trieste, straps.....	D	.12 1/2 : .13
Calceola Petals, imp. bales.....	D	.18 : .20	cases bales.....	D	.25 : .27	Jewellers, large, straps.....	D	... : .50
Calisaya Bark, bales, powd.....	D	.25 : .26	Hung. cases bales.....	D	.06 1/2 : .07	Small, straps.....	D	.35 : .35
Camphor, see Chemicals			Charcoal Willow, powd. bbls.....	D	.06 : .06 1/2	French straps.....	D	.12 1/2 : .13
Canary Seed, Morocco bags.....	D	.07 1/2 : .08	Wood, powd. bbls.....	D	.04 : .05	Powdered, boxes.....	D	.13 : .14
South American, bags.....	D	.07 : .07 1/2	Chestnut Bark, bags.....	D	.07 : .08	Broken, boxes.....	D	... : .07
Candellia Wax, bags.....	D	.28 : .30	Herb, bales.....	D	.06 : .06 1/2	Damar Gum, 135 lb cases.....	D	.25 : .25 1/2
			Chicle Gum, bags.....	D	.82 : .85	Damiana Leaves, bales.....	D	.16 : .17
			Chiretta, bales.....	D	.10 : .12	Dandelion Root, Imp., bags.....	D	.26 : .28
			Cinchona Bark, red quills bales.....	D	.50 : .52	Deer Tongue Leaves, bales.....	D	.09 : .09 1/2
			Broken bales.....	D	.26 : .27			

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Phenol coefficients 2 to 20. Rideal-Walker Test. Produce white emulsion free from deposit. Phenol coefficients guaranteed.

BAIRD & McGUIRE, Inc.

Holbrook, Mass.

P. O. Box 473

St. Louis, Mo.

1200 Switzer Avenue

Crude Drugs

Digitalis Leaves, bales.....D	.07	: .08	Grindelia Robusta Herb, bales...D	.07%	: .08%	LADY SLIPPER ROOT, bags.....D	.50	: .55
Dill Seed, bags.....D	.06	: .07	Guaiac Gum, 80 lb cases.....D	.42	: .44	Larkspur Seed, bags.....D	2.50	: 3.00
Dogwood Bark, Jamaica bags.....D	.10	: .11	Guarana, tins, cases.....D	.65	: .70	Lauri Leaves, bales.....D	.04%	: .05
American, bales.....D	.07	: .08	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary.....D	.22	: .26
Dogwood Root, USP, cut bags.....D	.10	: .11				Selected.....D	.30	: .40
Dragons Blood, mass cases.....D	.65	: .70	HELLEBORE ROOT,			Leoches, tubs.....D	4.00	: 5.00
Reeds, boxes.....D	.80	: .85	Black, bbls.....D	.08	: .10	Lemon Peel, bags.....D	.08	: .09
ECHINACEA ROOT, bags.....D	.31	: .32	Powdered.....D	.15	: .17	Licorice Root, Russian, whole.....D	.07	: .07%
Elecampane Root, bags.....D	.09	: .10	White, Powd., 250 lb bbls.....D	.11	: .12	Spanish, natural bales.....D	.08%	: .09
Elder Flowers, bags.....D	.11	: .14	Helonias Root, (unicorn false) bags.....D	.67	: .68	Powdered, bbls.....D	.09	: .09%
Elder Gum, 80 lb cases.....D	.10	: .11	Hemp Seed, Manchurian bags.....D	.03%	: .04	Selected, 2 & 5 lb bundles.....D	.14	: .17
Elm Bark, select 5 lb bundles cases.....D	.29	: .31	Chilian, bags.....D	.03%	: .04	Cuttings, 125 lb bags.....D	.06	: .06%
Grinding, bags.....D	.23	: .25	Henbane Leaves, bales, USP.....D	.29	: .30	Greek, 150 lb bales.....D	.03	: .03%
Powdered, bbls.....D	.60	: .65	No assay.....D	.26	: .27	Life Everlasting Herbs, bales.....D	.05	: .06
ERGOT, 150-200 lb bags.....D	.60	: .65	Henna Leaves, bales.....D	.08%	: .10	Lime Juice, clarified bbls.....gal	.60	: .65
Eucalyptus Leaves, bales.....D	.05	: .06	Honey, Calif., 120 lb cases.....D	.12	: .13	Linden Flowers, with leaves, bales.....D	.10	: .11
Euphorbia Pilulifera Herb, bags.....D	.10	: .11	Hops, N. Y. prime bales.....D	.28	: .30	Without Leaves, bales.....D	.17	: .18
Euphorbium Gum, cases.....D	.25	: .27	Pacific Coast prime bales.....D	.25	: .27	Liverwort Leaves, bales.....D	.19	: .20
Powdered, boxes.....D	.40	: .42	Horhound Herb, bales.....D	.10	: .11	Lobelia Herb, bales.....D	.54	: .56
Fennel Seed, French, bags.....D	.10	: .10%	Horsetail Rush, bales.....D	.10	: .11	Lobelia Seed, bags.....D	.62	: .63
German, bags.....D	.14	: .17	India Gum, see Karaya.....D	.15	: .15	Lorage Root, Imported, bags.....D	.18	: .20
Indian, bags.....D	.07	: .07%				Lupulin, boxes.....D	1.15	: 1.20
Flax Seed, whole 180 lb bbls.....es	13.00	: 13.50	INSECT FLOWERS, open whole			Domestic.....D	1.15	: 1.20
Ground, 180 lb bbls.....es	.07%	: .08	Bales.....D	.38	: .40	Lycopodium, 88 lb cs.....D	.60	: .62
Fenugreek Seed, 200 lb bags.....D	.05%	: .05%	Closed whole, bales.....D	.40	: .42	MACE, Siam, No. 1.....D	.85	: .86
Fish Berries, 100-125 lb bags.....D	.30	: .35	Powdered, pure 200 lb bbls.....D	.44	: .46	Banda, No. 1 cases.....D	.90	: .92
Fringe Tree Bark, bags.....D	.20	: .21	Flowers and Stems, 50 p.e. 260 lb bbls.....D	.30	: .32	Batavia, No. 2 cases.....D	.75	: .77
Fumigating Pastilles, Black, 1 lb bxs.....D	.17	: .18	Ipecac Root, Cartagena, bags.....D	2.25	: 2.30	West India, cases.....D	.75	: .77
Red, 1 lb. bxs.....D	.17	: .18	Powdered, 200 lb bbls, bxs.....D	2.50	: 2.60	Malva Flowers, blue bales.....D	.35	: .37
GALANGAL ROOT, bags.....D	.08	: .09	Rio Whole, bags.....D	2.25	: 2.30	Black, bales.....D	.55	: .60
Galbanum Gum, cases.....D	.80	: .95	Powdered, 200 lb bbls, bxs.....D	2.50	: 2.60	Malva, large fuke cases.....D	.77	: .79
Gambier Gum, bags.....D	.19	: .20	Isinglass, American, 130 lb cs.....D	.75	: .80	Small fuke, cases.....D	.38	: .40
Gamboge Gum, 160 lb cases.....D	.76	: .78	Russian (Beluga) bxs. ctms.....D	4.00	: 4.50	Sorts, cases.....D	.30	: .30
Powdered, cases.....D	.83	: .85	JABORANDI LEAVES, bales.....D	.10	: .10%	Mandrake Root, bags.....D	.13	: .14
Gelsemium Root, bags.....D	.11	: .11%	Jalap Root, whole, 150 lb bags.....D	.29	: .35	Mastic Gum, 120 lb cases.....D	.55	: .57
Gentian Root, bags.....D	.08%	: .09	Powdered, USP, 250 lb bbls.....D	.34	: .36	Mexercon Bark, bags.....D	.11	: .12
Gliger, African, bags.....D	.20	: .21	Japan Wax, White bags.....D	.16	: .16%	Matico Leaves, bales.....D	.12	: .13
Jamaica, grinding, bags, bbls.....D	.26	: .32	Job's Tears, White bags.....D	.18	: .20	Marjoram Leaves, German bales.....D	.29	: .31
Japan, bags.....D	.16%	: .17	Juniper Berries, 125 lb bags.....D	.06%	: .07%	French, bales.....D	.35	: .37
Cochin, ABC & Lemon, bags.....D	.21%	: .22	KAMALA, boxes.....D	1.05	: 1.10	Millet Seed, dom. yellow bags.....D	.03%	: .04
Ginseng Root, cultivated, bags.....D	8.00	: 10.00	Karaya Gum, powdered, bbls.....D	.10	: .18	Montan Wax, crude bags.....D	.05%	: .06
Northwestern Wild, bags.....D	12.00	: 14.00	Kava Kava Root bags.....D	.12	: .12%	Bleached.....D	.07%	: .08
Southern Wild, bags.....D	9.00	: 11.00	Kino Gum, black cases.....D	.50	: .55	Moss, Iceland bales.....D	.08%	: .09
Golden Seal Root, bags.....D	3.50	: 3.70	Kola Nuts, 150 lb bags.....D	.04%	: .05	Irish, bleached, bales.....D	.10	: .10%
Powdered, boxes.....D	4.00	: 4.10	Kosso Flowers, bags.....D	1.50	: 1.75	Selected, bales.....D	.10	: .10%
Grains of Paradise, bags.....D	.15	: .16				Mullein Flowers, tins.....D	.90	: 1.00

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Musk Root, Carbadine, tins.....	16.00	17.00	Patchouli, Leaves, bales.....	.16	.18	Rosemary Flowers, cases bales....	.25	.28
Teoquin.....	22.00	25.00	Pennyroyal Herb, bales.....	.08	.12	Rose petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	Pepper, black Ring, bags.....	.13 1/4	.14 1/4	Red.....	.65	.70
Teoquin.....	35.00	38.00	White, bags.....	.18 1/4	.19	Rue Herb, bales.....	.18	.22
Synthetic, see Chemicals.....			Peppers, red Mombasa, bags.....	.10 1/4	.11	SABADILLA SEED, bags.....	.13	.14
Musk Root, Russian bags.....	2.10	2.25	Cherries, bags.....	.14	.16	Powder, bbls.....	.18	.19
Mustard Seed, Bari brown bags.....	.11	.11 1/4	Bombay, bags.....	.12	.14	Saffron Flowers, Amer. bales.....	.72	.75
Bombay, brown.....	.09	.10	Japan, bags.....	.22	.24	Valencia, 1 lb cans.....	41.00	42.00
California, brown.....	.11	.11 1/4	Peppermint Leaves, imp. bales.....	.22	.24	Sage, Dalmatian bales.....	.05	.05 1/4
Yellow.....	.11	.11 1/4	Cuts, bales.....	.13	.14	Greek, bales.....	.04 1/4	.05
Chinese yellow.....	.05	.05 1/4	Domestic leaf.....	.18	.19	Spanish, bales.....	.03	.03 1/4
English, yellow.....	.09 1/4	.10	Peru Balsam, see Balsams.....			Sandalwood, chips bags.....	.17	.18
Dutch, yellow.....	.07 1/4	.08	Pichi Leaves, bags.....	.23	.25	Ground, bags.....	.21	.22
Danish, yellow.....	.08 1/4	.09	Pimento, select bags.....	.08	.08 1/4	Samarac Gum, 300 lb bbls.....	.42	.44
Myrrh Gum, select 200 lb c.....	.24	.26	Pink Root, true bags.....	.80	.85	Sarsaparilla Root, Honduras, bales.....	.60	.62
Sorbs, cases.....	.20	.22	Pitch, Burgundy, see Burgundy Pitch.....			Mexican, bales.....	.23	.25
MUTGALLS, Chinese, bags.....	.17	.18	Plantain Root, bags.....		.22	Sassafras Bark, ordinary bales.....	.18	.17
Alleppy, bags.....	.14	.15	Plantain Leaves, bales.....		.15	Select, bales.....	.29	.30
Nutmegs, 110s cases.....	.55	.57	Poke Berries, bags.....		.15	Savory Leaves, bales.....	.08	.08 1/4
75s, 80s cases.....	.59	.61	Poke Root, bags.....		.10 1/4	Raw Palmetto Berries, bags.....	.08 1/4	.09
Nux Vomica Buttons, bags.....	.05	.05 1/4	Pomegranate Bark, of root bags.....		.30	Scammony Resin, boxes.....	1.20	1.30
Powdered, 200 lb bbls.....	.08	.09	Of Fruit, bags.....		.30	Scammony Root, bags.....	.06 1/4	.07
BAK BARK, red bags.....	.05	.06	Of Tree.....		.30	Senega Root, bags.....	.57	.58
White bags.....	.06	.07	Poppy Flowers, red bags.....	.25	.28	SENNA, Alex 150 lb cases.....	.21	.23
Oilbanum Gum, sift 280 lb cases.....	.11	.11 1/4	Poppy seeds, Dutch, bags.....	.10 1/4	.11 1/4	Half Leaf, 350 lb bales.....	.13	.15
Tears, 280 lb cases.....	.11	.11 1/4	German, bags.....	.11	.12	Siftings, 400 lb bales.....	.10	.11
No. 1, all white 280 lb cases.....	.22	.23	Turkish, bags.....	.09 1/4	.10	Powdered, 200 lb bbls.....	.14	.14 1/4
Opium, gum, USP, cases.....	13.00	13.00	Blue Indian, bags.....	.09	.09 1/4	Grinding, 350 bales.....	.05	.07
Granular, cases.....	13.00	14.00	White Indian, bags.....	.08	.08 1/4	Powdered, 200 lb bbls.....	.14	.14 1/4
Powdered, USP, cases.....	13.00	14.00	Prickly Ash Bark, Southern, bags.....	.28	.28	Pods, 350 lb bales.....	.16	.18
Orange Flowers, cases.....	.50	1.00	Prickly Ash Bark, Northern, bags.....	.14	.16	Serpentaria Root, bags.....	.85	.86
Orange Peel, bitter, bags.....	.07 1/4	.07 1/4	Prickly Ash Berries, bags.....	.14	.16	Shellac, D.C., bags.....	.82	.84
Sweet, bags.....	.11	.12	Prince's Pine, bales.....	.25	.30	V.S.O. bags.....	.82	.84
ORRIS ROOT Florentine bold bags.....	.07 1/4	.08	Pulsatilla Herb, bags.....	.16	.18	Diamond I, bags.....	.82	.84
Powdered, 200 lb bbls.....	.10	.11	QUASSIA CHIPS, bags.....	.07	.07 1/4	Superfine, Orange, bags.....	.68	.70
Verona, bags.....	.06	.06 1/4	Queen of the Meadow Herb, bags.....		.08	Fine, bags.....	.67	.69
Powdered, 200 lb bbls.....	.07 1/4	.09	Quince Seed, bags.....	.70	.95	T.N., bags.....	.63	.65
Fingers, cases.....	.50	.55	KAPE SEED, South Amer. bags.....	.05	.05 1/4	Garnet, A. C.....	.61	.63
Osokerite Wax, brown hard bags.....	.22	.24	Dutch, bags.....	.05	.05 1/4	Button bags.....	.79	.81
Green, hard bags.....	.27	.28	Japanese, small, bags.....	.05 1/4	.08	Bleached, ground, bbls.....	.61	.63
Refined, yellow bags.....			Raspberries, dried boxes.....	.56	.80	Bone Dry, bbls.....	.73	.74
PAPRIKA, bags.....	.18	.24	Red Saunders.....	.17	.19	Sinagraha Bark, bales.....	.07	.08
Hungarian.....	.26	.28	Rhatany Root, bags.....	.09	.10	Sideritis Herb, cut bags.....	.15	.18
Parula Brava Root, bags.....	.13	.14	RHUBARB, Root, H.D., cases.....	.35	.37	Skullcap Leaves, Eastern, bales.....	.65	.70
Parley Seed, bags.....	.09	.10	Powdered, 200 lb bags.....	.40	.42	Western, bales.....	.34	.38
			Rosemary Leaves, bales.....	.04 1/4	.05	Sloe Berries, bags.....	.03	.04

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Snake Root, Canada natural, bags..	.38	.40
Stripped, bags50	.65
SOAP BARK, whole, 150-200 lb		
bales .....	.08	.08 1/2
Cut, 125-175 lb bags .....	.09 1/4	.10
Crushed, 200 lb bbls. ....	.10	.10 1/2
Powdered, 200 lb bbls. ....	.12	.13
Spearment Leaves, American bales..	.15	.22
Spermaceti, blocks, cakes, cases..	.43	.45
Spikenard Root, bags .....	.23	.24
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales .....	.18	.20
quills, white .....	.04 1/2	.05
Powdered, bulk .....	.35	.40
Statensacre Seed, bags .....	..	..
Sticklac, Siam, 250 lb bales .....	.44	.46
Stillingia Root, bags .....	.11 1/4	.12
Stone Root, bags .....	.09	.10
Storax, liquid artif. ....	.70	.75
Gen. USP .....	.90	1.00
St. Ignatius Beans, bags .....	.12	.13
St. John's Bread, bags .....	.03	.05
Stramonium Leaves, bales .....	.07 1/2	.08
Stramonium Seed, bags .....	.12	.13
Strophanthus Seed, Hispidum .....	.42	.44
Kombe, bags .....	.55	.60
Sunflower Seed, domestic bags .....	.06	.06 1/2
South American, bags .....	.05	.05 1/2
TAGALDER BARK, bags		
Tamarinds, bbls. ....	.05 1/2	.06
Kops .....	..	3.50
Tanzy Herb, bales .....	.18	.19
Tar, Barbadoes, 50 gal. bbls.	1.40	1.50
Thus Gum, 280 lb bbls. ....	.07 1/2	.08
Thyme, Spanish bales .....	.08	.08 1/2
French, bales .....	.11	.11 1/2
Tilia, see Linden	..	..
Tolu Balsam, see Balsams	..	..
Tonga Bark, bags .....	.27	.29
Tenka Beans, Angostura, cases	2.15	2.25
Para, cases .....	.75	.80
Surinam, cases .....	..	..

Tragacanth Gum, No. 1, ribbon	1.15	1.20
160 lb cs. ....	.90	1.16
No. 2 to No. 6, cases .....	.80	.82
Powdered, 50 lb boxes .....	.70	.85
Turkish, cases .....	.12 1/2	.13
Turner Root, Madras bags .....	.11	.11 1/2
Aleppy, bags .....	.12	.13
Powdered .....	.09	.09 1/2
China, bags .....	.15	.16
Turpentine, Venice, true 80 lb cs. ....	.11	.13
Artificial, 80 lb cases .....	..	..
Spirits, see Naval Stores	..	..
UNICORN ROOT, false, see Heloni		
True, see Aletris	..	..
Uva Ursi Leaves, bales .....	.04 1/2	.05
VALERIAN ROOT, Belgian bags .....	.12	.13
Vanilla Beans Mex. whole cases	11.00	12.00
Cuts, cases	9.00	9.50
Bourbon, cases	9.00	9.50
South American, cases .....	..	..
Tahiti, yellow label cases	7.00	7.50
Green Label, cases .....	..	..
Vetiver Root, 100 lb bags .....	.25	.26
Violet Flowers, bags .....	.80	.85
WAMBO BARK, of root bags .....	.85	.90
Of Tree, bags .....	.40	.42
White Pine Bark, rounded, bags .....	.07 1/2	.08
White Poplar Bark, bags .....	.06	.07
Wild Cherry Bark, thin green	..	..
Thick Rosed, bales .....	.12	.13
Thin Natural, bales .....	.08	.09
Thick Natural, bales .....	.05	.06
Willow, bark bags .....	..	.06
White, bags .....	..	.15
Witch Hazel Bark, bags .....	.07	.08
Witch Hazel Leaves, bales .....	.07 1/2	.08
Worm Seed, American bags .....	.08 1/2	.09
Levant, bags	2.75	4.00
Wormwood Herb, imported bales .....	..	.10
Yacca Gum, red .....	.04	.04 1/2
Ground .....	.05 1/2	.06 1/2
YELLOW DOCK ROOT, bags		
Yellow Parilla Root, bags .....	.12	.14
Yerba Santa, bags .....	.16	.17
Yerba Santa, bags .....	.09	.09 1/2
Zedoary Root, bags .....	.11	.12

Essential Oils

Almond Bitter USP, 5 lb bot.	3.15	3.25
Bitter ff PA 5 lb bot.	3.25	3.50
Sweet, 50 lb cans .....	.75	.80
Peach Kernel, 55 lb tins .....	.24	.25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins .....	.70	.75
Rectified, 25 lb tins .....	.85	.90
Angelica Root, 1 lb bot.	32.00	36.00
ANISE, Tech., 66 lb case		
USP, 50 lb tins .....	.55	.57
Bay, 25 lb tins .....	.58	.60
Bergamot, 25 lb coppers	2.20	2.30
Artificial, 25 lb cans	3.60	3.80
Birch Tar, rect. 5 lb bot.	2.20	2.35
Crude, 50 lb tins .....	.75	.80
Bois de Rose, 25 lb tins .....	.30	.50
Cade, 25 lb cans	4.75	5.50
Calajut, native, 50 lb tins .....	.35	.40
Calamus, 5 lb bot. ....	.75	.80
Camphor, heavy, 1000 lb drums	4.20	4.65
Japanese, white, 72 lb cases .....	.14 1/2	.15
White, 1000 lb drums .....	.14	.14 1/2
Cananga, native 25 lb tins .....	.13 1/2	.14
Rectified, 25 lb tins	2.00	2.25
Caraway, USP, 1 lb bot.	2.50	3.00
Cardamom, USP, 1 lb bot.	3.15	3.25
Carrel, 5 lb bot.	34.00	36.00
CASSIA, 80-85 p.c. 400 lb dr.	9.50	10.50
Rectified, USP, 50 lb cans .....	..	..
Cedar Leaf, 50 lb tins	2.75	2.90
Cedar Wood, light 100 lb drums .....	.85	.95
Celery, 1 lb bot. ....	.77	.90
Chaulmoogra, 80 lb cases	10.00	11.00
Cinnamon, Ceylon, 1 lb bot. ....	.85	.90
Leaf, 5 lb bot.	11.00	12.50
CITRONELLA, Ceylon		
1000 lb drums	1.40	1.50
50 lb tins .....	.75	.82
Java, 400 lb drums78	.85
50 lb tins	1.40	1.50
Cloves, USP, 50 lb cans	1.50	1.75
6 lb bot.	2.10	2.15
..	2.20	2.25

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Copaiba, USP, 50 lb tins.....	.40	: .42
Coriander, USP, 1 lb bot.....	10.75	: 11.00
Croton, USP, 25 lb tins.....	.95	: 1.00
Cubeb, USP, 5 lb bot.....	4.50	: 4.75
Cumin, 1 lb bot.....	11.00	: 11.50
Dill, 1 lb bot.....	4.25	: 4.50
Erigeron, 20 lb tins.....	3.50	: 4.00
EUCALYPTUS, Austl. USP		
56 lb cs.....	.59	: .61
500 lb drums.....	.57	: .59
Fennel, USP, 25 lb tins.....	.90	: 1.10
Geranium, Algerian, 25 lb tins..	7.25	: 8.50
Bourbon, 25 lb tins.....	7.00	: 8.50
Turkish, 25 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	9.00	: 10.00
Gingergrass, 25 lb tins.....	2.75	: 3.00
Hemlock, 50 lb cans.....	.82	: .85
Juniper Berries, USP, 25 lb tins..	1.55	: 1.60
Wood, 50 lb tins.....	.50	: .60
Lavender, USP, 25 lb tins.....	5.50	: 8.00
Spike, Spanish, 50 lb cans.....	1.00	: 1.25
LEMON, Ital. USP, 25 lb tins.....	.93	: 1.10
American, USP, 25 lb tins.....	.75	: .80
Lemongrass, native, 50 lb cans..	1.05	: 1.15
Limes, Express, 25 lb tins.....	2.25	: 2.35
Distilled, 25 lb tins.....	1.20	: 1.35
Linaloe, Mex 80 lb cases.....	3.40	: 3.60
Mace, distilled, 50 lb tins.....	1.50	: 1.60
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....	...	: 14.00
Artif., USP, 1 lb bot.....	3.00	: 3.25
Neroli, Bigarade, 3/4 & 1 lb bot..	40.00	: 60.00
Petale, 1 lb bot.....	90.00	: 120.00
Artificial, 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	1.50	: 1.60
Orange, bitter, 25 lb tins.....	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	2.75	: 2.90
Italian, 25 lb cop.....	2.95	: 3.15
American, 25 lb tins.....	2.75	: 2.80
Distilled, 25 lb tins.....	1.50	: 1.75
Spanish, 25 lb tins.....	2.55	: 2.65
Origanum, 50 lb cans tech.....	.30	: .35
Parsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	4.50	: 5.50
Pennyroyal, dom., 25 lb tins.....	2.00	: 2.15
Imported, 25 lb tins.....	1.65	: 1.70
PEPPERMINT, nat., 60 lb cans..	8.50	: 8.75
Reds, USP, 60 lb cases.....	9.00	: 9.50
Petit Grain, S. A., 25 lb tins..	2.10	: 2.20
French, 1 lb bot.....	7.00	: 8.00
Italian, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	2.25	: 2.35
Pinus Sylvestris, 25 lb tins.....	...	: 1.40
Pumilio, USP, 25 lb tins.....	...	: 2.25
Rose, Fr., 8, 16 & 32 oz. pkgs..oz	...	: 9.00
Bulg., 8, 16 & 32 oz. pkgs..oz	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins.....	.42	: .46
1000 lb drums.....	.35	: .40
Tech., 27 1/2 lb tins.....	.35	: .40
Rue, 1 lb bot.....	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases..	6.75	: 7.00
W. Indian, (Amyris) 25 lb tins..	2.80	: 2.90
Sassafras, USP, 50 lb cans.....	1.15	: 1.25
Artificial, 1000 lb drs., 60 lb cans..	.34	: .36
Savin, 5 lb tins.....	2.25	: 2.40
Spearmint, USP, 60 lb cases.....	4.25	: 4.50
Spruce, 50 lb tins.....	.82	: .85
Tansy Amer., 20 lb tins.....	2.85	: 3.10
Tar, 50 gal. bbls.....	.25	: .28
Refined, USP 25 lb tins.....	...	: ...
Thyme, red, USP, 25 lb tins.....	.85	: 1.00
White, USP, 25 lb tins.....	1.00	: 1.10
Tech., 110 lb drums.....	.30	: .35
Vetiver, Bourbon 1 lb bot.....	12.00	: 14.00
Indian, 1 lb bot.....	30.00	: 32.00
Java, 1 lb bot.....	20.00	: 22.00
Wine, heavy 1 lb bot.....	...	: 1.50
WINTERGREEN		
Sweet beh., 25 lb tins.....	2.50	: 3.00
Southern, 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	3.75	: 4.00
Synthetic, USP, 50 lb cases.....	...	: .47
Wormseed, Balt., USP, 25 lb tins..	3.60	: 3.90
Wormwood, dom., 25 lb tins.....	3.60	: 3.75
Ylang Ylang, Bourbon 10 lb tins		
No. 1.....	6.00	: 8.00
No. 2.....	5.00	: 6.00
Manila, 1 lb bot.....	28.00	: 40.00
Artificial, 1 lb bot.....	10.00	: 12.00

OLEORESINS

Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Capicum, USP, 5 lb bot.....	2.50	: 2.75
Ginger, 5 lb bot.....	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	4.50	: 4.75
Malefern, See Aspidium		
Orris 1 lb bot.....	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.25	: 1.75
Borneol, 1 lb bot.....	...	: 3.50
CITRAL, 25 lb cans.....	2.75	: 3.00
Citronellal, 1 lb bot.....	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans..	...	: .80
Eugenol, USP, 25 lb cans.....	3.25	: 3.60
Geraniol, Domestic, 50 lb cans..	3.50	: 4.00
Imported, 5 lb bot.....	3.75	: 4.50
Isa-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.25	: 6.25
Linalol, 5 lb bot.....	6.25	: 7.50
From Bois de Rose, 5 lb bot..	11.00	: 12.75
MENTHOL, 60 lb cases.....	...	: 13.75
Less cases, 5 lb cans.....	...	: 14.25
Rhodinol, 1 lb bot.....	18.00	: 21.00
Extra, 1 lb bot.....	40.00	: 47.00
SAFROL, 60 lb cans.....	.45	: .47
Thymol, USP, 25 lb tins.....	5.00	: 6.00

SYNTHETIC AROMATICS

Acetaldehyde, 50% solupure, 5 lb bot..	1.75	: 2.00
Acetophenone, CP, 1 lb bot.....	4.25	: 4.50
Aldehyde, C-8 (Octyl), 1 lb bot..	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot..	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	70.00	: 80.00
Aniline, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans.gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	4.00	: 4.50
Amyl Formate, 1 lb bot.....	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot..	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb chys.		
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys..	1.40	: 1.60
FFC, 40 lb chys.....	1.50	: 1.65
Benzic Ether, See Ethyl Benzoate		
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....D	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb bot....D	4.75	: 5.00	Skatol, 1 oz. bot.....oz	7.00	: 7.25
BENZYL BENZOATE, 5 lb bot....D	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported...D	5.00	: 5.25	Terpinol Acetate, 25 lb cans....D	1.65	: 1.85
Medicinal FFC.....D	1.75	: 2.00	Domestic, 5 lb bot.....D	4.00	: 4.25	Imported, 25 lb cans.....D	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb bot....D	5.50	: 6.00	Linalyl Acetate, 1 lb bot. Dom...D	8.00	: 8.50	TERPINEOL, CP, 1000 lb drums..D	.45	: .47
Benzyl Cinnamate, 1 lb bot.....D	10.00	: 10.50	Imp., 1 lb bot.....D	8.00	: 8.50	Cans, 50 lb.....D	.50	: .54
Benzyl Formate, 1 lb bot.....D	3.00	: 3.25	Linalyl Benzoate, 1 lb bot.....D	13.00	: 14.00	Absolute, 25 lb cans.....D	.90	: 1.15
Benzyl Propionate, 1 lb bot.....D	5.00	: 5.25	Linalyl Formate, 5 lb bot.....D	10.50	: 12.00	Imported, 25 lb cans.....D	.50	: .60
Benzyl Acetate, 1 lb bot.....D	3.00	: 3.50	Methyl Acetophenone.....D	4.75	: 5.00	VANILLIN, USP, 500 oz. cans..D	..	: .49 1/2
Bromostyrol, 25 lb cans.....D	3.50	: 4.00	METHYL ANTHRANILATE dom.,			Cans, 16 oz., 80 oz.....oz	.50	: .51
Butyl Anthranilate, 1 lb bot.dom.D	...	: 16.00	1 lb bot.....D	2.75	: 3.25	Second Hands.....oz	.47	: .50
Butyric Ether, See Ethyl Butyrate			Imported.....D	3.00	: 3.25	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....D	3.00	: 3.25	Methyl Benzoate, 5 lb bot. import.D	2.00	: 2.25	Yara Yara, 1 lb cans.....D	1.75	: 2.00
Cinnamic Alcohol, liquid 1 lb bot.D	9.00	: 9.50	Domestic, 5 lb bot.....D	1.75	: 2.00			
Crystallizable.....D	9.50	: 10.00	Methyl Cinnamate, 1 lb bot.....D	3.50	: 3.75			
Cinnamic Aldehyde.....D	3.50	: 3.75	Methyl Heptenone, 1 lb bot.....D	8.00	: 8.25			
CITRONELLAL, 1 lb bot.....D	9.00	: 11.00	Methyl Paracresol, 1 lb bot.....D	8.00	: 8.00			
Imported, 1 lb bot.....D	10.00	: 12.00	Methyl Phenylacetate, 5 lb bot dom.D	3.75	: 4.00			
Citronellyl Acetate, 1 lb bot.....D	13.00	: 14.00	METHYL SALICYLATE, USP 500 D					
COUMARIN, 25 lb cans.....D	3.25	: 3.45	drums.....D	..	: .45			
DIETHYL PHTHALATE, 25 lb cans.D	..	: .45	50 lb cans.....D	..	: .47			
1000 lb drs.....D	.25	: .40	Second Hands.....D	.44	: .45			
Diphenyl oxide, 25 lb tins.....D	.85	: .90	Mirbane, rect., 1000 lb drums...D	12 1/2	: 14			
Ethyl Acetate, pure, 5 lb bot....D	.45	: .50	Musk Ambrette, 1 lb cans.....D	12.00	: 13.00			
Ethyl Benzoate, 5 lb bot.....D	1.85	: 2.00	Musk Ketone, 1 lb cans.....D	15.00	: 16.00			
Ethyl Butyrate, 5 lb bot.....D	1.75	: 2.00	Musk Xylene, 5 lb cans.....D	3.75	: 3.90			
Ethyl Caproate, 1 lb bot.....D	3.25	: 3.50	Nerolin, 1 lb cans.....D	1.65	: 2.00			
Ethyl Cinnamate, 1 lb bot.....D	3.50	: 3.75	Ornauthic Ether, 1 lb bot.....D	1.50	: 2.00			
Ethyl Formate, 5 lb bot.....D	2.00	: 2.10	Phenylacetalddehyde, Dom.,					
Ethyl-methyl Paracresol, 1 lb bot.D	3.25	: 3.50	1 lb. bot. 50 p.e.....D	8.00	: 8.50			
Ethyl Phenylacetate, 5 lb bot.....D	3.75	: 4.00	Imported, 50 p.e.....D	7.50	: 8.00			
Ethyl Propionate, 1 lb bot.....D	2.25	: 2.50	80-85 p.e.....D	14.00	: 16.00			
Ethyl Valerate, 5 lb bot.....D	4.50	: 4.75	Phenylacetic Acid, 1 lb bot.....D	3.00	: 3.25			
Ethyl Salicylate, 5 lb bot.....D	3.25	: 3.50	Phenyl Diacetate, 1 oz. bot.....oz	3.25	: 3.50			
Formic Ether. See Ethyl Formate			PHENYLETHYLALCOHOL dom.,					
Geranyl Acetate, 1 lb bot.....D	5.00	: 5.50	1 lb bot.....D	2.00	: 10.00			
Geranyl Butyrate, 1 lb bot.....D	13.00	: 13.50	Imported.....D	7.00	: 7.75			
Geranyl Formate, 1 lb bot.....D	13.00	: 12.50	Phenylethyl Butyrate, 1 lb bot....D	26.00	: 28.00			
Hellotropin, dom., 100-10 lb...D	1.85	: 2.00	Phenylethyl Formate, 1 lb bot....D	19.00	: 21.00			
Imported.....D	2.25	: 2.50	Phenylethyl Propionate, 1 lb bot..D	20.00	: 24.00			
Hydroxycitronellal, 1 lb bot.....D	12.00	: 14.00	Phenylethyl Valerate, 1 lb bot....D	25.00	: 29.00			
Indol, CP, 1 oz. bot.....oz	8.00	: 8.50	Phenylpropylalcohol, 1 lb bot....D	15.00	: 16.00			
Iosone, 1 lb bot. 100%.....oz	10.00	: 11.00						
Alpha.....D	14.50	: 16.00						
Beta.....D	12.75	: 14.50						
Methyl.....D	16.00	: 18.00						

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ROSIN—4 bbls., Mecke & Co., Azua

SEEDS—Anise, 100 bgs., Order, Malaga; Canary, 235 bgs., Order, Marseilles; 500 bgs., A. G. Dunn, Antwerp; Caraway, 200 bls., R. J. Sassoon, Ltd., Rotterdam; Cardamom, 10 bags, Order, Colombo; 25 pgs., Order, London; Cumin, 200 bags, Order, Marseilles; Mustard, 158 bls., Van Loan & Co., Rotterdam; 150 bls., L. S. Nachmann Inc., Rotterdam; 50 bgs., Amer. Exp. Co., Rotterdam; 100 bgs., A. Joensson Co., Rotterdam; Poppy, 600 bgs., Order, Marseilles; 500 bgs., Catiz Amer. Co., Rotterdam; 100 bgs., Wood & Selick, Rotterdam; 100 bls., Spencer Imptg. Co., Rotterdam; 300 bls., Archibald & Lewis Co., Rotterdam; 100 bls., 100 bgs., Leghorn Trdg. Co., Rotterdam; 100 bls., E. Miltenberg, Rotterdam; 200 bls., Austin Nichols & Co., Rotterdam; 500 bls., 150 bgs., French Krete Co., Rotterdam; 200 bgs., Vulcan Imptg. Co., Rotterdam; 100 bgs., R. J. Sassoon Co., Rotterdam; 100 bgs., Vulcan Imptg. Co., Rotterdam; 100 bgs., J. D. Nordlinger, Rotterdam; 100 bgs., W. R. Grace & Co., Rotterdam; 100 bgs., Habicht Braun & Co., Rotterdam; 100 bgs., E. Miltenberg, Rotterdam; 100 bgs., A. Clark & Co., Rotterdam; 100 bgs., J. W. Greene & Co., Rotterdam; 100 bgs., Levy & Lewis Co., Rotterdam; Rape, 50 bgs., Archibald & Lewis Co., Rotterdam; Sesame, 54 bls., Order, Marseilles; 100 bgs., Order, Smyrna

SHELLAC—150 bgs., Mech. & Metals Nat. Bk., Calcutta; 100 bgs., Amer. Exch. Nat. Bk., Calcutta; 200 bgs., H. W. Peabody & Co., Calcutta; 100 bgs., Marx & Rawolle, Calcutta; 1,516 bgs., Order, Calcutta; 100 bgs., Mech. & Metals Natl. Bk., Calcutta; 150 bls., 200 bgs., Mac Lac Co., Calcutta; 100 bgs., Marx & Rawolle, Calcutta; 250 bgs., Standard Bk. of So. Africa, Calcutta; 2,019 bgs., Order, Calcutta; Refuse Lac, 30 bgs., Marx & Rawolle, Calcutta; Seed Lac, 91 bgs., Order, Calcutta; 125 bgs., Marx & Rawolle, Calcutta; 100 bgs., H. W. Peabody & Co., Calcutta; 527 bgs., Order, Calcutta; Sticklac, 40 bgs., Marx & Rawolle, Calcutta

SILVER SULFIDE—6 cs., Goldsmith & Co., So. Amer. Ports

SODIUM SALTS—Bisulfate, 43 cks., Order, Antwerp; Bromide, 130 cs., Superfos Co., Hamburg; 197 cs., E. I. Dupont De Nem-

ours Co., Hamburg; Chlorate, 4 cks., Order, Rotterdam; Cyanide, 34 cs., Order, Liverpool; Nitrate, 7,572 bgs., W. R. Grace & Co., Iquique; Prussiate, 19 cks., Order, Liverpool; 33 cks., Meteor Products Co., Rotterdam; 22 cks., C. Tennant Sons & Co., Liverpool

SUMAC—380 bgs., Order, Palermo

TALC—250 bgs., Order, Genoa; 500 bgs., L. A. Salomon & Bro., Genoa

TAPIOCA—523 bgs., Nat. City Bk., Sourabaya; 777 bgs., Order, Penang; Flour, 2,474 bgs., Nat. City Bk., Sourabaya; 100 bgs., Catiz Amer. Bk., Batavia; 1,492 bgs., Chat-ham & Phenix Nat. Bk., Batavia; 1,501 bgs., French Amer. Bkg. Corp., Batavia; 478 bgs., Bk. of N. Y. & Trust Co., Cheribon; 472 bgs., Nat. Park Bk., Cheribon; 239 bgs., Equit. Trust Co., Cheribon; 475 bgs., First Nat. Bk., Boston, Cheribon; Pearl, 730 bgs., Order, Penang; 962 bgs., Nat. City Bank, Sourabaya

TARTAR—984 bgs., Royal Bkg. Powder Co., Marseilles; 470 bgs., C. Pfizer & Co., Marseilles; 229 bgs., Royal Bkg. Powder Co., Valencia

TEA FLUFF—320 bgs., Citro Chem. Co., Colombo; Waste, 763 pgs., G. W. Sheldon & Co., Colombo

VALONIA—5,156 bgs., Order, Smyrna

VANILLA BEANS—20 cs., G. Lueders & Co., Havre

WAX—Bees, 10 bls., Order, Lisbon; 6 bgs., W. Schall & Co., Santo Domingo; 56 bgs., Order, Singapore; Carnauba, 60 bgs., Lazard Freres, Para; 74 bgs., Nat. City Bk., Para; 276 bgs., J. H. Rossbach & Bros., Para; 313 bgs., Nat. City Bk., Para; 81 bgs., Order, Para

WOODELOUR—1,500 bgs., B. L. Saberski, Christiania

WOOL GREASE—150 bbls., Amer. Trust Co., Hamburg; 250 bbls., Order, Hamburg; 30 bbls., Hummel & Robinson, Bremen

ZINC—Chloride, 36 drs., Innis Speiden & Co., Rotterdam; Oxide, 60 brls., Reichard Coulston Inc., Marseilles; 150 brls., Order, Marseilles

IMPORTS AT BOSTON

Nov. 15 to 22

ACID—Oxalic, 95 casks, Am. Exchange Nat. Bank, Hamburg

CHALK—500 bags, Natl. City Bank, Antwerp; 200 bags, Billiard Co., Antwerp; 200 bags, Brown Bros. & Co., Antwerp

COPPER SULFATE—100 casks, Natl. City Bank, Hamburg

EPSOM SALT—300 bags, Mechanics & Metals Nat. Bank, Hamburg; 300 bbls., Order, Hamburg

GLAUBER'S SALT—1,000 bags, Order, Hamburg

GREASE—Wool, 15 cases, Kidder, Peabody & Co., Antwerp

OIL—Palm, 259 casks, African & Eastern Trading Co., Liverpool; Sod, 25 casks, Wm. Litchfield, Liverpool

POTASH—5,000,000 kilos, Order, Hamburg; Muriate, 5,141 bags, Order, Antwerp; 20,500 bags, Potash Imp. Corp. of Am., Hamburg; Permanganate, 10 drums, Order, Hamburg; Sulfate, 5,000 bags, Potash Imp. Corp. of Am., Hamburg

SHELLAC—50 bags, 1 chest, Order, Calcutta

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SODIUM—Chlorate, 100 kegs, Order, Hamburg
ZINC—Ammonium Chloride, 25 casks, Brown Bros. & Co., Liverpool; Oxide, 100 bbls., E. & T. King & Co., Antwerp

IMPORTS AT NEW ORLEANS
 Nov. 14 to 21

ACID—Oxalic, 9,940 lbs., Order, Norway
CHRE—82 cases, Order, Marseilles
OIL—Olive, 2,440 cases, Order, Marseilles
QUININE SULFATE—10,000 ozs., Order, Japan
SEEDS—Mustard, 1,000 lbs., Order, Holland

IMPORTS AT PHILADELPHIA
 Nov. 12 to 19

GLYCERIN—370 drums, J. P. Morgan & Co., Manchester; 29 casks, Order, Havre
GUM—Dammar, 105 bags, Brown Bros. & Co., Singapore; 156 bags, Order, Singapore
IRON OXIDE—90 boxes, Order, Malaga
PHOSPHATE—Precipitated, 750 cases, Holinghurst & Co., Marseilles
PYRIDIN—109 drums, Order, St. Nazaire
ROOT—Licorice, 1,587 bales, MacAndrews & Forbes Co., Tientsin
ZINC CHLORIDE—17 casks, Inter. Accept. Bank, Rotterdam

IMPORTS AT BALTIMORE

Nov. 13 to 20

PEPPER—Elack, 150 bags, 17,000 lbs., McCormick & Co., West Campgaw, Hamburg
POTASH—Caustic, 175 bbls., 177,278 lbs., Roessler & Hasslacher Chemical Co., New York, West Campgaw, Hamburg
QUEBRACHO EXTRACT—2,015 bags, 100 tons, Shawmut Corp., Bird City, Buenos Aires
SEED—Coriander, 131 bags, F. H. Shallus Co., Robert Dollar, Marseilles; 131 bags, Wm. H. Masson, Robert Dollar, Marseilles
SODA—Nitrate, 44,475 bags, 7,045,104 lbs., W. R. Grace & Co., Trafalgar, Iquique; 28,187 bags, 4,477,590 lbs., W. R. Grace & Co., Trafalgar, Caleta Buenos
WOOL GREASE—200 bbls., 89,395 lbs., Samuel Shapiro & Co., West Campgaw, Hamburg

IMPORTS AT SAN FRANCISCO

Nov. 8 to 15

ACID—Cresylic, 40 drums, Order, Liverpool
CASSIA—121 bales, Order, Padang
CHALK—500 bags, Balfour, Guthrie & Co., Antwerp

CHEMICALS—12 casks, Roessler & Hasslacher Chemical Co., Rotterdam

COPRA—400 tons, Atkins, Kroll & Co., Singapore; 402.27 tons, Order, Zamboanga; 195 tons, Order, Cebu

GAMBIER—425 cases, Order, Singapore

GLYCERIN—100 cases, Order, London

GUMS—35 cases, Order, Singapore; Copal, 200 bags, Atkins, Kroll & Co., Singapore

LAMP BLACK—1 bbl., Meyer, Wilson & Co., Rotterdam

OIL—Coconut, 1,037 tons, Order, Cebu; Olive, 75 cases, Order, London; 400 bbls., Order, Rotterdam; Sesame, 50 drums, Order, Rotterdam; Wood, 100 drums, Order, Hongkong

SEEDS—Caraway, 265 bags, Order, Rotterdam

SPICES—Nutmegs, 22 packages, Order, Samarang, and 30 cases, Order, Padang; Mace, 1 case, Order, Padang; Pepper, 100 bags, Order, Singapore, and 250 bags, Batavia

STARCH—10 bags, Order, Cebu

SULFUR—16 bales, D. F. de Bernordi & Co., Rotterdam

TAPIOCA—Flour, 219 bags, National City Bank of New York, Sourabaya; Pearl, 100 bags, Order, Singapore

TURPENTINE—30 bbls. and 300 cases, Otis McAllister Co., Manzanilla

KLEIN REVIEWS CHEMICAL DIVISION WORK
(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 26.—C. C. Concannon, who was acting chief of the Chemical Division for the preceding eight months, was made chief of the Division at the beginning of the last fiscal year, says Dr. Julius Klein, chief of the Bureau of Foreign and Domestic Commerce in his annual report to the Secretary. Discussing the Chemical Division and its work for the fiscal year, Dr. Klein says:

"The division's contacts have been chiefly through trade associations, of which there are about 35 directly within the field of the chemical industry and as many more interested in allied industries. Of the 35 special circulars sent out, only a few subjects can be mentioned: 'World resume of the paint situation,' 'The German aniline dyestuffs cartel,' 'Potash in Czechoslovakia,' 'Fertilizers in Ireland,' 'Data on camphor,' 'The Bulgarian attar-of-roses industry.'

"The special study of the dye and organic chemical situation in Europe, by F. E. Breithut, has been productive of very significant results; Mr. Breithut visited England, Germany, France, Italy, Switzerland, Austria, Poland, and Belgium, and a series of trade information bulletins on those countries will be issued. A special monthly cable service has been devised whereby statistics with respect to China wood oil, showing stocks on hand and in transit from the interior, as well as sales,

prices, and crop forecasts, are received each month and transmitted to interested American firms.

"The division had exhibits at the textile exposition in Boston and at the National Laundry Owners' Exposition at Providence, the object being to indicate the reliability and value of American as compared with foreign dyes. The division has supplied to foreign representatives of this Government more than \$3,000 worth of books on chemical subjects (provided gratuitously by publishers and organizations). Through the direct assistance of the division, a number of agency agreements have been established by American firms in such items as medicinal preparations, toilet articles, paints and varnish, turpentine, and rosin. Several large individual transactions were fostered, notable among which was the sale of 60,000 tons of coal-tar pitch to British interests (this being followed by other sales), 200 tons of pine oil to European interests, and 40,000 gallons of denaturing wood alcohol to Argentina."

The first official indigo forecast reports that in Bombay Presidency, including native states, which represents about 0.7 per cent of the total area in British India, the acreage under cultivation is 6.5 per cent below that of last year, and a yield of about 930 cwt. In the United Provinces, which represents 14 per cent of the total area, the crop is estimated at 75 per cent of normal, and 2,900 factory maunds are expected after allowing for next year seeds.

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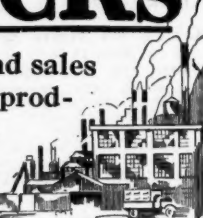
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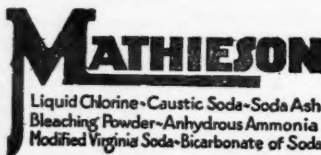
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ADVERTISER WITH COMPLETE LINE of good selling formulas for perfumery bases desires a partner who has had several years experience as a successful perfumery salesman. Address Box 229, DRUG & CHEMICAL MARKETS.

EXPORT, ARGENTINE REPUBLIC—Argentinian who has resided for several years in the U. S. is returning to Buenos Aires, to open office as Direct Factory Representative, and would like to connect himself with reliable and progressive manufacturers of chemicals for the sugar industry. Reference, etc. R. Suite 419, 45 E. 17th St., New York City.

WANTED—Established line of essential oils and aromatic chemicals by capable and experienced representative for Midwest territory. Headquarters in Chicago with facilities for carrying stock. Box 216, DRUG & CHEMICAL MARKETS.

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BUYING SERVICE, Practical technical expert in the buying industry considers opening a buying office for mills in Boston January 1925 and will be able to receive the inquiries of firms interested in securing through him an expert buying service on dyestuffs, colors, soaps, oils, etc. Can be demonstrated that such a service will save money for any medium sized mill. Box 217, DRUG & CHEMICAL MARKETS.

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WANTED TO BUY—A small plant between New York and Philadelphia, suitable for the manufacture of cosmetics. Must be close to a railroad siding but not absolutely necessary—although desirable. Fire-proof construction and at least 4,000 square feet. Box 219, DRUG & CHEMICAL MARKETS.

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SITUATIONS WANTED

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DYER—Graduate of Lowell Textile School, several years practical experience, able to take complete charge of dye house and with necessary executive ability and strong personality. Am seeking a position that offers a real opportunity. Box 238, DRUG & CHEMICAL MARKETS.

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SALESMAN—Experienced in Fatty Oils, four years with present employers, seeks new connection the first of the year in New York. Box 221, DRUG & CHEMICAL MARKETS.

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SALESMAN—Familiar with paper trade wanted to sell fillers for an established house. Kindly give full particulars as to salary expected, in first letter. Box 231, DRUG & CHEMICAL MARKETS.

WANTED—Dye salesman with established clientele to call on consuming and jobbing trade in the Metropolitan District and Philadelphia. Excellent opportunity for right man. Address with full particulars to B S Box 227, DRUG & CHEMICAL MARKETS.

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FOR SALE: Prussian Blue to close out lot, Powdered and Lump, packed in barrels, 28c per lb. F.O.B. New York. Pacific Chemical Co. 68 Cliff St., New York.

MENHADEN OIL WANTED for export. Samples and prices. References, Deutsche Bank. Address Hans Troeder, Hammerlandstr. 240, Hamburg 26, Germany. Cables, Trantroeder, Hamburg.

DRUGS AND CHEMICALS

WANTED—Benzoic Acid or Sodium Benzoate Technical. Submit small sample, quantity and lowest price. Box 207, DRUG & CHEMICAL MARKETS.

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FOR SALE—Equipment of a chemist's laboratory in a well known textile establishment. Represents investment of about \$7,000. Prefer to sell as a unit not to dealers. Condition is good and apparatus is of standard make. Box 236, DRUG & CHEMICAL MARKETS.

WANTED—An all-iron Filter Press and a Root Blower with an 8 inch exhaust. Box 228, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WE WILL PAY CASH for various Laboratory equipment such as, Microscope, Small Electric Centrifuge, Ointment Machine, Pulverizing Machine, etc. Paul & Co., 230 Greenwich St., N. Y. C.

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FOR SALE—Stokes "O" and "N" Machines, in good working condition. Both equipped with complete punch and die sets. Prices right. Walker, Corp & Co., Inc., Auburn, N. Y.

WANTED—Two Fuller-Lehigh Dreadnaughts; one direct heating (coal) Dryer; jaw crusher, gardner hammer, sling; three or four Burh Mills with emery burrs; pulleys, shafting, belting, couple of bucket elevators and couple of worm conveyors. Address M. F. Reese, 453 Title Bldg., Baltimore, Md.

WANTED TO BUY—Vertical Autoclave, Gas or Electric incubator, analytical balance. Must be in good condition, reasonable for cash. Reply details and prices. Box 3, G.P.O. Brooklyn, N. Y.

MISCELLANEOUS

LISTS WANTED—Used lists of manufacturers in any line who are consumers of chemicals. Address Box 215, DRUG & CHEMICAL MARKETS.

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



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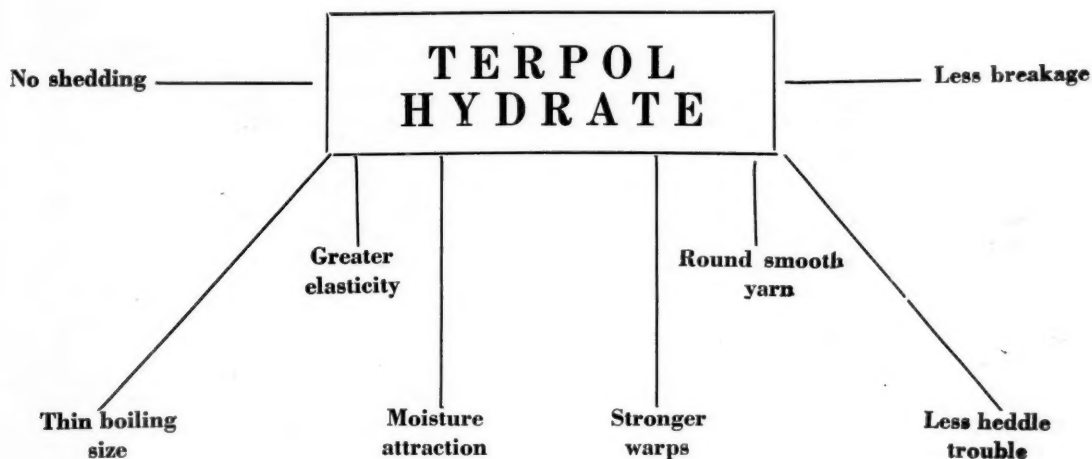
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